GI	none	Score	87
Exons	4250..4306, 4250..4306, 4255..4308, 4389..4460, 4406..4477, 4407..4475, 4408..4476, 4505..4705, 4512..4706, 4513..4707, 4798..4911, 4799..4912, 4801..4911, 5115..5231, 5118..5231, 5291..5365, 5304..5366, 5304..5381, 5305..5370, 5420..5617, 5449..5628, 5450..5617, 5451..5645, 5452..5619, 5667..5828, 5671..5829, 5686..5832		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o1.tw	Method	TBLASTX:Wheat
Start	4252	End	4713
GI	none	Score	70
Exons	4252..4308, 4253..4309, 4387..4713, 4410..4559, 4599..4703		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o4.tm	Method	TBLASTX:Maize
Start	8927	End	9648
GI	none	Score	291
Exons	8927..9019, 9000..9194, 9083..9154, 9363..9470, 9375..9470, 9376..9471, 9584..9607, 9585..9605, 9595..9648, 9608..9646		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o6.tm	Method	TBLASTX:Maize
Start	9719	End	10043
GI	none	Score	128
Exons	9719..9823, 9731..9823, 9766..9825, 9789..9824, 9934..10041, 9935..10039, 9936..10043, 9937..10041		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o2.tc	Method	TBLASTX:Cress
Start	9725	End	11021
GI	none	Score	39
Exons	9725..9769, 9740..9823, 9776..9823, 9940..10041, 9942..10031, 10807..11007, 10809..11021, 10810..11019		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o3.np	Method	AAT/NAP
Start	10761	End	15552
GI	2129832	Score	573
Exons	10761..10786, 13191..13608, 15274..15473, 15504..15552		
GI Descrip.	heat shock transcription factor 5 - soybean gi|671868|emb|CAA87080| (Z46956) heat shock transcription factor 5 [Glycine max]		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741

Name	OJ990620_36.9B04.C6.o3.tm	Method	TBLASTX:Maize
Start	10806	End	11827
GI	none	Score	363
Exons	10806..11042, 10816..11040, 10836..11042, 11568..11651, 11600..11683, 11602..11817, 11604..11738, 11605..11811, 11642..11827		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o3.gs	Method	GENSCAN
Start	12849	End	15741
GI	none	Score	.7
Exons	12849..12908, 12961..13608, 15274..15554, 15701..15741		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o3.ts	Method	TBLASTX:Soybean
Start	13208	End	15450
GI	none	Score	103
Exons	13208..13261, 13216..13332, 13510..13608, 13514..13609, 13522..13611, 15274..15450, 15329..15448		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o2.tw	Method	TBLASTX:Wheat
Start	13525	End	15451
GI	none	Score	71
Exons	13525..13608, 13526..13609, 13528..13611, 15274..15450, 15329..15451		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o5.tm	Method	TBLASTX:Maize
Start	13564	End	15451
GI	none	Score	141
Exons	13564..13608, 15274..15450, 15329..15451		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o3.tc	Method	TBLASTX:Cress
Start	15229	End	15451
GI	none	Score	102
Exons	15229..15450, 15329..15451		

Seq. No.	11530	Seq. ID	OJ990620_36.9B04.C7
Gene No.	24439	Strand	+
Start	440	End	1756
Name	OJ990620_36.9B04.C7.o1.gs	Method	GENSCAN
Start	440	End	1756
GI	none	Score	.54
Exons	440..512, 1674..1756		

Seq. No.	11531	Seq. ID	OJ990620_36.9B04.C8
Gene No.	24440	Strand	+
Start	2625	End	2900
Name	OJ990620_36.9B04.C8.o1.gs	Method	GENSCAN
Start	2625	End	2900
GI	none	Score	.87
Exons	2625..2702, 2811..2900		

Seq. No.	11531	Seq. ID	OJ990620_36.9B04.C8
Gene No.	24441	Strand	+
Start	8369	End	14741
Name	OJ990620_36.9B04.C8.o3.gs	Method	GENSCAN
Start	8369	End	14379
GI	none	Score	.61
Exons	8369..8467, 9459..9642, 9888..10834, 11550..11672, 11797..11940, 12286..12394, 13950..14069, 14194..14379		

Seq. No.	11531	Seq. ID	OJ990620_36.9B04.C8
Gene No.	24441	Strand	+
Start	8369	End	14741
Name	OJ990620_36.9B04.C8.o1.np	Method	AAT/NAP
Start	9368	End	14741
GI	5734709	Score	196
Exons	9368..9488, 10110..10175, 10275..10798, 12007..12200, 14724..14741		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	11531	Seq. ID	OJ990620_36.9B04.C8
Gene No.	24442	Strand	-
Start	4570	End	7963
Name	OJ990620_36.9B04.C8.o2.gs	Method	GENSCAN
Start	4570	End	7934
GI	none	Score	.56
Exons	4570..4692, 4964..5029, 5839..5950, 6074..6237, 6992..7029, 7754..7934		

Seq. No.	11531	Seq. ID	OJ990620_36.9B04.C8
Gene No.	24442	Strand	-
Start	4570	End	7963
Name	OJ990620_36.9B04.C8.o1.tm	Method	TBLASTX:Maize
Start	7507	End	7963
GI	none	Score	36
Exons	7507..7551, 7510..7536, 7549..7707, 7550..7708, 7551..7730, 7711..7806, 7712..7807, 7746..7943, 7810..7944, 7811..7963		

Seq. No.	11532	Seq. ID	OJ990620_36.9B04.C9
Gene No.	24443	Strand	+
Start	1	End	690
Name	OJ990620_36.9B04.C9.o1.np	Method	AAT/NAP
Start	1	End	690
GI	6815072	Score	603
Exons	1..484, 571..690		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	11532	Seq. ID	OJ990620_36.9B04.C9

Gene No.	24443	Strand	+
Start	1	End	690
Name	OJ990620_36.9B04.C9.o1.gs	Method	GENSCAN
Start	4	End	484
GI	none	Score	.66
Exons	4..94, 350..484		

Seq. No.	11532	Seq. ID	OJ990620_36.9B04.C9
Gene No.	24443	Strand	+
Start	1	End	690
Name	OJ990620_36.9B04.C9.o1.tw	Method	TBLASTX:Wheat
Start	130	End	483
GI	none	Score	233
Exons	130..483, 183..470, 193..483		

Seq. No.	11532	Seq. ID	OJ990620_36.9B04.C9
Gene No.	24443	Strand	+
Start	1	End	690
Name	OJ990620_36.9B04.C9.o1.tm	Method	TBLASTX:Maize
Start	174	End	641
GI	none	Score	187
Exons	174..365, 175..366, 370..519, 557..640, 570..641		

Seq. No.	11533	Seq. ID	OJ990620_36.9B04.C10
Gene No.	24444	Strand	+
Start	1	End	146
Name	OJ990620_36.9B04.C10.o1.np	Method	AAT/NAP
Start	1	End	146
GI	5852084	Score	103
Exons	1..146		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	11534	Seq. ID	OJ990620_36.9B04.C11
Gene No.	24445	Strand	+
Start	240	End	302
Name	OJ990620_36.9B04.C11.o1.gs	Method	GENSCAN
Start	240	End	302
GI	none	Score	.55
Exons	240..302		

Seq. No.	11535	Seq. ID	OJ990620_36.9B04.C12
Gene No.	24446	Strand	+
Start	491	End	1095
Name	OJ990620_36.9B04.C12.o1.gs	Method	GENSCAN
Start	491	End	1020
GI	none	Score	.7
Exons	491..550, 718..1020		

Seq. No.	11535	Seq. ID	OJ990620_36.9B04.C12
Gene No.	24446	Strand	+
Start	491	End	1095
Name	OJ990620_36.9B04.C12.o1.np	Method	AAT/NAP
Start	491	End	1095
GI	2498930	Score	685
Exons	491..550, 718..1095		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	11536	Seq. ID	OJ990620_36.9B04.C13
Gene No.	24447	Strand	-
Start	1	End	1261
Name	OJ990620_36.9B04.C13.o1.np	Method	AAT/NAP
Start	1	End	1261
GI	3687250	Score	66
Exons	1..228, 325..381, 1197..1261		
GI Descrip.	(AC005169) putative arginine N-methyltransferase [Arabidopsis thaliana]		

Seq. No.	11536	Seq. ID	OJ990620_36.9B04.C13
Gene No.	24447	Strand	-
Start	1	End	1261
Name	OJ990620_36.9B04.C13.o2.np	Method	AAT/NAP
Start	1	End	1261
GI	3088573	Score	223
Exons	1..54, 131..228, 325..723, 990..1261		
GI Descrip.	(AF059530) protein arginine N-methyltransferase 3 [Rattus norvegicus]		

Seq. No.	11536	Seq. ID	OJ990620_36.9B04.C13
Gene No.	24447	Strand	-
Start	1	End	1261
Name	OJ990620_36.9B04.C13.o1.gs	Method	GENSCAN
Start	28	End	1164
GI	none	Score	.59
Exons	28..52, 131..228, 325..825, 1029..1164		

Seq. No.	11536	Seq. ID	OJ990620_36.9B04.C13
Gene No.	24447	Strand	-
Start	1	End	1261
Name	OJ990620_36.9B04.C13.o1.tm	Method	TBLASTX:Maize
Start	557	End	1184
GI	none	Score	265
Exons	557..850, 571..825, 1005..1151, 1020..1184, 1027..1176		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24448	Strand	+
Start	263	End	2555
Name	OJ990620_36.9B04.C14.o1.gs	Method	GENSCAN
Start	263	End	1926
GI	none	Score	.81
Exons	263..398, 405..543, 700..811, 903..962, 1459..1563, 1816..1926		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24448	Strand	+
Start	263	End	2555
Name	OJ990620_36.9B04.C14.o1.np	Method	AAT/NAP
Start	338	End	2555
GI	3493131	Score	552
Exons	338..543, 700..811, 903..962, 1459..1571, 2484..2555		
GI Descrip.	(AF081570) thymidylate kinase [Arabidopsis thaliana]		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24449	Strand	+
Start	11423	End	14851

Name	OJ990620_36.9B04.C14.o5.gp	Method	AAT/GAP
Start	11423	End	14851
GI	11503_1.R1084	Score	2508
Exons	11423..11468, 11564..11748, 12999..13580, 13658..13705, 14354..14851		
GI Descrip.	'6093660/sp|O73944|PCP_PYRFU 1.0e-09 PYRROLIDONE-CARBOXYLATE PEPTIDASE (5-OXOPROLYL-PEPTIDASE) (PYROGLUTAMYL-PEPTIDASE I) (PGP-I) (PYRASE) >gi_3551425_dbj_BAA32989_ (AB015291) pyrrolidone carboxyl peptidase [Pyrococcus furiosus]'		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24449	Strand	+
Start	11423	End	14851
Name	OJ990620_36.9B04.C14.o3.np	Method	AAT/NAP
Start	13047	End	14590
GI	6730656	Score	409
Exons	13047..13609, 13715..14074, 14354..14590		
GI Descrip.	(AC007945) F28C11.6 [Arabidopsis thaliana]		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24450	Strand	+
Start	15448	End	16279
Name	OJ990620_36.9B04.C14.o4.gs	Method	GENSCAN
Start	15448	End	16279
GI	none	Score	.54
Exons	15448..15531, 15564..15711, 15756..16279		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24451	Strand	+
Start	19848	End	19954
Name	OJ990620_36.9B04.C14.o5.np	Method	AAT/NAP
Start	19848	End	19954
GI	5777617	Score	94
Exons	19848..19954		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24452	Strand	-
Start	2281	End	10477
Name	OJ990620_36.9B04.C14.o1.gp	Method	AAT/GAP
Start	2281	End	4916
GI	34251_1.R1084	Score	1938
Exons	2281..2718, 2807..2917, 3015..3145, 3816..3859, 3947..4033, 4128..4223, 4751..4916		
GI Descrip.	'4704410/gb|AAD28078.1|AF047046_1 1.0e-104 (AF047046) translation initiation factor eIF6 [Mus musculus]'		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24452	Strand	-
Start	2281	End	10477
Name	OJ990620_36.9B04.C14.o2.gs	Method	GENSCAN
Start	2461	End	10477
GI	none	Score	.79
Exons	2461..2718, 2807..2917, 3015..3145, 3948..4033, 4128..4180, 4815..4931, 6413..6510, 9151..9326, 9384..9426, 10312..10477		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14

Gene No.	24452	Strand	-
Start	2281	End	10477
Name	OJ990620_36.9B04.C14.o2.np	Method	AAT/NAP
Start	2464	End	4233
GI	6686291	Score	780
Exons	2464..2718, 2807..2917, 3015..3145, 3816..3859, 3947..4033, 4128..4233		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 6 (EIF-6) (B4 INTEGRIN INTERACTOR) (CAB) (P27(BBP)) gi|4704410|gb|AAD28078.1|AF047046_1 (AF047046) translation initiation factor eIF6 [Mus musculus]		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24452	Strand	-
Start	2281	End	10477
Name	OJ990620_36.9B04.C14.o2.gp	Method	AAT/GAP
Start	9323	End	9729
GI	4107129	Score	623
Exons	9323..9729		
GI Descrip.	1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24452	Strand	-
Start	2281	End	10477
Name	OJ990620_36.9B04.C14.o3.gp	Method	AAT/GAP
Start	9323	End	9825
GI	4107129	Score	636
Exons	9323..9653, 9741..9825		
GI Descrip.	1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24452	Strand	-
Start	2281	End	10477
Name	OJ990620_36.9B04.C14.o4.gp	Method	AAT/GAP
Start	9432	End	9921
GI	4107129	Score	538
Exons	9432..9651, 9774..9921		
GI Descrip.	1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24453	Strand	-
Start	11515	End	14180
Name	OJ990620_36.9B04.C14.o3.gs	Method	GENSCAN
Start	11515	End	14180
GI	none	Score	.78
Exons	11515..11659, 11921..12109, 12341..12504, 14178..14180		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o4.tm	Method	TBLASTX:Maize
Start	245	End	754
GI	none	Score	422
Exons	245..553, 245..541, 247..570, 697..753, 698..754		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o4.ts	Method	TBLASTX:Soybean
Start	299	End	487
GI	none	Score	237
Exons	299..487, 319..486		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o1.tc	Method	TBLASTX:Cress
Start	2307	End	3068
GI	none	Score	181
Exons	2307..2363, 2461..2718, 2461..2718, 2465..2719, 2804..2914, 2805..2918, 2811..2918, 2831..2920, 3010..3066, 3015..3068		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o1.ts	Method	TBLASTX:Soybean
Start	2432	End	4221
GI	none	Score	264
Exons	2432..2656, 2449..2655, 2668..2718, 2804..2914, 2805..2870, 2810..2914, 3010..3156, 3015..3140, 3017..3145, 3807..3860, 3817..3867, 3821..3874, 3946..4041, 3947..4036, 3948..4052, 4128..4190, 4130..4189, 4172..4219, 4183..4221		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o1.tm	Method	TBLASTX:Maize
Start	2472	End	4239
GI	none	Score	274
Exons	2472..2714, 2479..2718, 2480..2665, 2804..2914, 2811..2918, 2813..2914, 3014..3148, 3015..3140, 3810..3863, 3817..3879, 3817..3867, 3821..3880, 3911..4036, 3936..4040, 3937..4041, 3937..4041, 4105..4182, 4109..4183, 4128..4190, 4129..4200, 4130..4189, 4181..4222, 4182..4223, 4183..4224, 4183..4239		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o2.tw	Method	TBLASTX:Wheat
Start	3019	End	4794
GI	none	Score	60
Exons	3019..3066, 3023..3157, 3027..3068, 3069..3140, 3809..3859, 3810..3860, 3817..3867, 3818..3874, 3946..4041, 3947..4036, 3948..4040, 3988..4041, 4105..4176, 4109..4183, 4128..4190, 4130..4189, 4181..4216, 4181..4222, 4182..4223, 4183..4230, 4183..4239, 4750..4794		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o5.tc	Method	TBLASTX:Cress
Start	3069	End	4221

GI	none	Score	65
Exons	3069..3140, 3070..3156, 3809..3859, 3817..3867, 3821..3874, 3946..4041, 3947..4036, 3950..4042, 4128..4190, 4130..4189, 4172..4219, 4182..4220, 4183..4221		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o3.tm	Method	TBLASTX:Maize
Start	13012	End	14699
GI	none	Score	237
Exons	13012..13314, 13013..13312, 13017..13316, 13041..13316, 13464..13586, 13475..13576, 13654..13704, 13655..13705, 14344..14550, 14347..14580, 14351..14581, 14351..14584, 14370..14585, 14604..14699		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o4.tc	Method	TBLASTX:Cress
Start	13046	End	13325
GI	none	Score	281
Exons	13046..13261, 13047..13325		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o3.ts	Method	TBLASTX:Soybean
Start	13074	End	14581
GI	none	Score	262
Exons	13074..13316, 13077..13235, 13082..13291, 13440..13586, 13481..13576, 13655..13705, 13660..13704, 14347..14580, 14351..14581		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o3.tc	Method	TBLASTX:Cress
Start	13464	End	14593
GI	none	Score	63
Exons	13464..13511, 13481..13582, 13509..13583, 13589..13714, 13645..13701, 14347..14580, 14351..14581, 14351..14593		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o1.tw	Method	TBLASTX:Wheat
Start	15522	End	17826
GI	none	Score	38
Exons	15522..15554, 15633..15665, 15750..15800, 17296..17484, 17428..17490, 17488..17619, 17489..17560, 17647..17826, 17648..17800		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o2.tm	Method	TBLASTX:Maize

Start	15543	End	17826
GI	none	Score	60
Exons	15543..15662, 15750..15797, 17288..17467, 17296..17484, 17482..17826, 17483..17797		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o2.ts	Method	TBLASTX:Soybean
Start	15543	End	17826
GI	none	Score	59
Exons	15543..15662, 15750..15788, 16070..16279, 16915..17250, 17296..17484, 17488..17826, 17489..17797		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o2.tc	Method	TBLASTX:Cress
Start	15633	End	17826
GI	none	Score	50
Exons	15633..15662, 15750..15815, 16112..16282, 17276..17329, 17296..17484, 17402..17467, 17488..17826, 17489..17710		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o5.tm	Method	TBLASTX:Maize
Start	15827	End	17250
GI	none	Score	67
Exons	15827..15859, 15850..15873, 15871..15930, 15885..15929, 15934..15996, 15990..16061, 15991..16065, 16070..16102, 16070..16102, 16106..16147, 16141..16275, 16157..16276, 16918..17037, 16919..17035, 17056..17091, 17092..17199, 17111..17179, 17191..17250		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o4.np	Method	AAT/NAP
Start	16915	End	17949
GI	4760700	Score	667
Exons	16915..17815, 17879..17949		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o5.gs	Method	GENSCAN
Start	16915	End	17949
GI	none	Score	1
Exons	16915..17949		

Seq. No.	11537	Seq. ID	OJ990620_36.9B04.C14
Gene No.	24454	Strand	-
Start	16915	End	18005
Name	OJ990620_36.9B04.C14.o6.gp	Method	AAT/GAP
Start	17629	End	18005

GI	uC-osroM202005a05b1	Score	726
Exons	17629..18005		
GI Descrip.	'1546692/emb|CAA67337| 3.0e-15 (X98805) peroxidase ATP19a [Arabidopsis thaliana]'		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24455	Strand	+
Start	469	End	8041
Name	OJ990620_36.9B04.C15.o1.np	Method	AAT/NAP
Start	469	End	7375
GI	2832629	Score	667
Exons	469..532, 1823..2844, 6225..6260, 6372..6572, 6606..6772, 7009..7114, 7253..7375		
GI Descrip.	(AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24455	Strand	+
Start	469	End	8041
Name	OJ990620_36.9B04.C15.o2.gs	Method	GENSCAN
Start	1801	End	8041
GI	none	Score	.44
Exons	1801..2844, 6225..6772, 7009..7114, 7306..7444, 7833..8041		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24456	Strand	+
Start	11532	End	15630
Name	OJ990620_36.9B04.C15.o4.gs	Method	GENSCAN
Start	11532	End	15612
GI	none	Score	.73
Exons	11532..11592, 11899..12095, 12690..15612		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24456	Strand	+
Start	11532	End	15630
Name	OJ990620_36.9B04.C15.o3.np	Method	AAT/NAP
Start	12738	End	15630
GI	5902444	Score	4128
Exons	12738..15630		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24457	Strand	-
Start	8153	End	9469
Name	OJ990620_36.9B04.C15.o1.gp	Method	AAT/GAP
Start	8153	End	8502
GI	3767899	Score	640
Exons	8153..8502		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24457	Strand	-
Start	8153	End	9469
Name	OJ990620_36.9B04.C15.o3.gs	Method	GENSCAN
Start	8374	End	9440
GI	none	Score	1
Exons	8374..9135, 9234..9440		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15

Gene No.	24457	Strand	-
Start	8153	End	9469
Name	OJ990620_36.9B04.C15.o2.np	Method	AAT/NAP
Start	8377	End	9431
GI	4760700	Score	638
Exons	8377..9135, 9234..9431		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24457	Strand	-
Start	8153	End	9469
Name	OJ990620_36.9B04.C15.o2.gp	Method	AAT/GAP
Start	9009	End	9469
GI	61048_1.R1084	Score	697
Exons	9009..9135, 9234..9469		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o3.tw	Method	TBLASTX:Wheat
Start	123	End	459
GI	none	Score	56
Exons	123..161, 123..224, 210..374, 223..381, 313..459, 375..446, 395..451		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o3.ts	Method	TBLASTX:Soybean
Start	817	End	1062
GI	none	Score	91
Exons	817..1062, 932..1048		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o4.tm	Method	TBLASTX:Maize
Start	829	End	1062
GI	none	Score	78
Exons	829..1062, 923..1039		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o4.ts	Method	TBLASTX:Soybean
Start	2076	End	2442
GI	none	Score	128
Exons	2076..2255, 2080..2280, 2347..2442		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o2.tm	Method	TBLASTX:Maize
Start	6408	End	7339
GI	none	Score	121

Exons	6408..6551, 6609..6773, 6638..6772, 7010..7087, 7253..7339		
Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o2.tc	Method	TBLASTX:Cress
Start	6414	End	7330
GI	none	Score	153
Exons	6414..6551, 6420..6521, 6603..6773, 6638..6772, 7012..7068, 7013..7069, 7253..7330		
Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o2.ts	Method	TBLASTX:Soybean
Start	6414	End	7348
GI	none	Score	160
Exons	6414..6551, 6609..6773, 6647..6772, 7009..7068, 7010..7069, 7252..7326, 7253..7348		
Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o1.tc	Method	TBLASTX:Cress
Start	8380	End	9380
GI	none	Score	71
Exons	8380..8466, 8381..8467, 8536..8631, 8717..8932, 8719..8931, 8932..9057, 8954..9001, 9062..9136, 9064..9144, 9234..9380		
Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o3.tm	Method	TBLASTX:Maize
Start	8380	End	8722
GI	none	Score	75
Exons	8380..8478, 8381..8485, 8554..8721, 8561..8722		
Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o1.ts	Method	TBLASTX:Soybean
Start	8380	End	9449
GI	none	Score	71
Exons	8380..8856, 8723..8854, 8932..9090, 8933..9049, 9103..9144, 9234..9449, 9238..9345		
Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o1.tm	Method	TBLASTX:Maize
Start	8723	End	9422
GI	none	Score	40
Exons	8723..8755, 8752..9144, 8753..9136, 9234..9422, 9238..9366		
Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037

Name	OJ990620_36.9B04.C15.o2.tw	Method	TBLASTX:Wheat
Start	8731	End	9371
GI	none	Score	124
Exons	8731..8931, 8741..8932, 8933..9136, 8950..9144, 9234..9371, 9238..9264		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24458	Strand	-
Start	12280	End	13037
Name	OJ990620_36.9B04.C15.o3.gp	Method	AAT/GAP
Start	12280	End	13037
GI	5816562	Score	631
Exons	12280..12691, 13013..13037		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24459	Strand	
Start	14049	End	14549
Name	OJ990620_36.9B04.C15.o4.tw	Method	TBLASTX:Wheat
Start	14049	End	14450
GI	none	Score	279
Exons	14049..14450		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24459	Strand	
Start	14049	End	14549
Name	OJ990620_36.9B04.C15.o5.tm	Method	TBLASTX:Maize
Start	14289	End	14549
GI	none	Score	187
Exons	14289..14549, 14291..14494, 14356..14520		

Seq. No.	11538	Seq. ID	OJ990620_36.9B04.C15
Gene No.	24460	Strand	
Start	15030	End	15487
Name	OJ990620_36.9B04.C15.o1.tw	Method	TBLASTX:Wheat
Start	15030	End	15487
GI	none	Score	146
Exons	15030..15206, 15251..15487, 15255..15485		

Seq. No.	11539	Seq. ID	OJ990620_36.9B04.C16
Gene No.	24461	Strand	+
Start	1	End	139
Name	OJ990620_36.9B04.C16.o1.np	Method	AAT/NAP
Start	1	End	139
GI	6498441	Score	127
Exons	1..139		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11539	Seq. ID	OJ990620_36.9B04.C16
Gene No.	24462	Strand	+
Start	427	End	4245
Name	OJ990620_36.9B04.C16.o2.np	Method	AAT/NAP
Start	427	End	4245
GI	188864	Score	162

Exons	427..1154, 1227..1527, 4215..4245		
GI Descrip.	(M74027) mucin [Homo sapiens]		
Seq. No.	11539	Seq. ID	OJ990620_36.9B04.C16
Gene No.	24462	Strand	+
Start	427	End	4245
Name	OJ990620_36.9B04.C16.o1.gp	Method	AAT/GAP
Start	2038	End	2118
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	2038..2118		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	11539	Seq. ID	OJ990620_36.9B04.C16
Gene No.	24462	Strand	+
Start	427	End	4245
Name	OJ990620_36.9B04.C16.o4.np	Method	AAT/NAP
Start	2636	End	2746
GI	6721561	Score	87
Exons	2636..2746		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11539	Seq. ID	OJ990620_36.9B04.C16
Gene No.	24462	Strand	+
Start	427	End	4245
Name	OJ990620_36.9B04.C16.o2.gp	Method	AAT/GAP
Start	3233	End	3343
GI	uC-osflcyp088b12b1	Score	156
Exons	3233..3343		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	11539	Seq. ID	OJ990620_36.9B04.C16
Gene No.	24463	Strand	-
Start	1216	End	5395
Name	OJ990620_36.9B04.C16.o1.gs	Method	GENSCAN
Start	1216	End	3228
GI	none	Score	.48
Exons	1216..1817, 2558..2603, 2950..2997, 3118..3228		
Seq. No.	11539	Seq. ID	OJ990620_36.9B04.C16
Gene No.	24463	Strand	-
Start	1216	End	5395
Name	OJ990620_36.9B04.C16.o3.np	Method	AAT/NAP
Start	2514	End	5395
GI	4680183	Score	134
Exons	2514..2653, 5295..5395		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24464	Strand	+
Start	29	End	139
Name	OJ990620_36.9B04.C17.o1.gp	Method	AAT/GAP

Start	29	End	139
GI	uC-osflcyp088b12b1	Score	155
Exons	29..139		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24465	Strand	+
Start	222	End	3319
Name	OJ990620_36.9B04.C17.o1.np	Method	AAT/NAP
Start	222	End	3319
GI	5902445	Score	4855
Exons	222..3319		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24466	Strand	+
Start	11619	End	14559
Name	OJ990620_36.9B04.C17.o3.np	Method	AAT/NAP
Start	11619	End	14556
GI	6691716	Score	2298
Exons	11619..12503, 12701..12876, 12958..13225, 13402..13596, 13672..13783, 13934..14038, 14111..14556		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24466	Strand	+
Start	11619	End	14559
Name	OJ990620_36.9B04.C17.o4.gs	Method	GENSCAN
Start	11619	End	14559
GI	none	Score	.73
Exons	11619..11748, 11770..12010, 12084..12148, 12169..12503, 12701..12876, 12958..13262, 13409..13596, 13672..13861, 13934..14038, 14111..14559		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24467	Strand	-
Start	3652	End	6730
Name	OJ990620_36.9B04.C17.o2.gs	Method	GENSCAN
Start	3652	End	6730
GI	none	Score	.79
Exons	3652..3996, 4027..4103, 4353..4542, 4617..4783, 4881..5083, 5317..5609, 5696..6730		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24467	Strand	-
Start	3652	End	6730
Name	OJ990620_36.9B04.C17.o2.np	Method	AAT/NAP
Start	3664	End	6580
GI	6691716	Score	2428
Exons	3664..4103, 4177..4290, 4440..4542, 4617..4803, 4880..5068, 5139..5238, 5316..5494, 5692..6580		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24468	Strand	-
Start	7577	End	8334
Name	OJ990620_36.9B04.C17.o2.gp	Method	AAT/GAP
Start	7577	End	8334
GI	5816562	Score	643
Exons	7577..7985, 8316..8334		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24469	Strand	-
Start	9342	End	10638
Name	OJ990620_36.9B04.C17.o3.gs	Method	GENSCAN
Start	9342	End	10638
GI	none	Score	.93
Exons	9342..10088, 10558..10638		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24469	Strand	-
Start	9342	End	10638
Name	OJ990620_36.9B04.C17.o3.gp	Method	AAT/GAP
Start	10167	End	10315
GI	uC-osflcyp177g01a1	Score	238
Exons	10167..10315		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24470	Strand	-
Start	14875	End	21897
Name	OJ990620_36.9B04.C17.o5.gs	Method	GENSCAN
Start	14875	End	21894
GI	none	Score	.57
Exons	14875..18036, 18172..21024, 21487..21894		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24470	Strand	-
Start	14875	End	21897
Name	OJ990620_36.9B04.C17.o4.np	Method	AAT/NAP
Start	14911	End	20967
GI	5922631	Score	6711
Exons	14911..17438, 18045..18968, 19095..19243, 19286..19857, 19903..20105, 20340..20584, 20843..20967		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24470	Strand	-
Start	14875	End	21897
Name	OJ990620_36.9B04.C17.o5.np	Method	AAT/NAP

Start	20713	End	21897
GI	2443459	Score	98
Exons	20713..20811, 21457..21659, 21834..21897		
GI Descrip.	(U95217) peroxidase [Oryza sativa]		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o8.tw	Method	TBLASTX:Wheat
Start	280	End	17907
GI	none	Score	272
Exons	280..522, 287..523, 360..524, 17673..17837, 17674..17886, 17674..17907, 17675..17887		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o3.tm	Method	TBLASTX:Maize
Start	299	End	17898
GI	none	Score	366
Exons	299..655, 340..645, 17542..17835, 17542..17898, 17552..17857		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o4.ts	Method	TBLASTX:Soybean
Start	326	End	17988
GI	none	Score	69
Exons	326..433, 440..574, 17623..17757, 17764..17988		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o1.tw	Method	TBLASTX:Wheat
Start	524	End	17673
GI	none	Score	499
Exons	524..943, 526..942, 17254..17673, 17255..17671		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o9.tm	Method	TBLASTX:Maize
Start	659	End	17538
GI	none	Score	184
Exons	659..886, 17311..17538		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o2.ts	Method	TBLASTX:Soybean
Start	788	End	17409
GI	none	Score	300
Exons	788..1219, 835..978, 1015..1185, 16978..17409, 17012..17182, 17219..17362		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-

Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o4.tm	Method	TBLASTX:Maize
Start	886	End	17311
GI	none	Score	280
Exons	886..1140, 887..1141, 887..1144, 1163..1306, 1304..1330, 16867..16893, 16891..17034, 16904..17035, 17056..17310, 17057..17311		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o5.tw	Method	TBLASTX:Wheat
Start	988	End	17209
GI	none	Score	418
Exons	988..1197, 989..1417, 16780..17208, 16937..17209		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o3.ts	Method	TBLASTX:Soybean
Start	1445	End	16752
GI	none	Score	78
Exons	1445..1549, 1453..1539, 1585..1833, 1589..1831, 16364..16744, 16366..16608, 16648..16752		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o6.tw	Method	TBLASTX:Wheat
Start	1459	End	16743
GI	none	Score	391
Exons	1459..1800, 1460..1876, 16321..16743, 16331..16735		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o7.tm	Method	TBLASTX:Maize
Start	1508	End	16690
GI	none	Score	120
Exons	1508..1678, 1682..1780, 16417..16515, 16418..16483, 16519..16689, 16520..16690		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o11.tw	Method	TBLASTX:Wheat
Start	1892	End	16305
GI	none	Score	126
Exons	1892..2026, 2093..2191, 16006..16146, 16171..16305		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o1.tm	Method	TBLASTX:Maize
Start	2186	End	16008
GI	none	Score	437
Exons	2186..2407, 2188..2511, 2189..2512, 15646..15693, 15647..15694,		

15674..15988, 15685..16008, 15698..15988

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o4.tw	Method	TBLASTX:Wheat
Start	2192	End	16003
GI	none	Score	408
Exons	2192..2353, 2194..2505, 2195..2581, 2474..2581, 2536..2583, 15615..15752, 15616..15801, 15616..16002, 15692..16003		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o8.tm	Method	TBLASTX:Maize
Start	2653	End	15544
GI	none	Score	94
Exons	2653..2751, 2654..2752, 2743..2817, 2747..2830, 2840..2926, 15271..15357, 15367..15450, 15368..15454, 15445..15543, 15446..15544		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o3.tw	Method	TBLASTX:Wheat
Start	2696	End	15501
GI	none	Score	361
Exons	2696..3187, 2716..2805, 2846..2875, 2857..2985, 3179..3310, 14887..15024, 14891..15013, 15010..15168, 15223..15501, 15239..15340		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o5.tm	Method	TBLASTX:Maize
Start	3008	End	15159
GI	none	Score	165
Exons	3008..3190, 3130..3189, 3169..3270, 3170..3271, 14926..15027, 14927..15028, 15007..15159, 15008..15058		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o9.tw	Method	TBLASTX:Wheat
Start	6170	End	12029
GI	none	Score	55
Exons	6170..6460, 6171..6275, 11739..12029		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o1.tc	Method	TBLASTX:Cress
Start	9342	End	21624
GI	none	Score	103
Exons	9342..9437, 9498..9593, 9660..9866, 9673..9864, 9903..10070, 9916..10002, 10017..10091, 21490..21624		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o1.ts	Method	TBLASTX:Soybean
Start	9345	End	21612
GI	none	Score	76
Exons	9345..9431, 9489..9584, 9672..9875, 9915..10055, 9916..10002, 10056..10091, 21487..21612		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o6.tm	Method	TBLASTX:Maize
Start	9345	End	22451
GI	none	Score	100
Exons	9345..9455, 9345..9476, 9346..9474, 9516..9647, 9517..9615, 9616..9702, 22325..22411, 22326..22412, 22416..22451		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o10.tw	Method	TBLASTX:Wheat
Start	9654	End	21624
GI	none	Score	75
Exons	9654..9872, 9694..9861, 9903..10010, 9904..10089, 10047..10091, 21487..21612, 21487..21519, 21562..21624		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o2.tm	Method	TBLASTX:Maize
Start	9705	End	21624
GI	none	Score	236
Exons	9705..10091, 9799..10089, 21487..21624, 21488..21598		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o2.tw	Method	TBLASTX:Wheat
Start	17908	End	18705
GI	none	Score	116
Exons	17908..18201, 17912..18136, 18248..18484, 18250..18480, 18529..18642, 18529..18705		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o7.tw	Method	TBLASTX:Wheat
Start	19279	End	19681
GI	none	Score	117
Exons	19279..19680, 19412..19681		

Seq. No.	11540	Seq. ID	OJ990620_36.9B04.C17
Gene No.	24471	Strand	-
Start	22340	End	22458
Name	OJ990620_36.9B04.C17.o6.gs	Method	GENSCAN
Start	22340	End	22458

GI	none	Score	.78
Exons	22340..22458		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24472	Strand	+
Start	1523	End	3791
Name	OJ990620_36.9B04.C18.o1.np	Method	AAT/NAP
Start	1523	End	3791
GI	4760700	Score	573
Exons	1523..1580, 2486..2625, 3045..3791		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24472	Strand	+
Start	1523	End	3791
Name	OJ990620_36.9B04.C18.o1.gs	Method	GENSCAN
Start	2218	End	3791
GI	none	Score	.75
Exons	2218..2625, 3045..3791		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24473	Strand	-
Start	3656	End	6705
Name	OJ990620_36.9B04.C18.o1.tc	Method	TBLASTX:Cress
Start	2488	End	5090
GI	none	Score	126
Exons	2488..2622, 3042..3116, 3063..3230, 3131..3217, 3267..3473, 3269..3460, 3540..3635, 3696..3791, 4956..5090		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24473	Strand	-
Start	3656	End	6705
Name	OJ990620_36.9B04.C18.o1.tw	Method	TBLASTX:Wheat
Start	2488	End	3479
GI	none	Score	62
Exons	2488..2550, 2500..2625, 2593..2625, 3042..3086, 3044..3229, 3123..3230, 3261..3479, 3272..3439		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24473	Strand	-
Start	3656	End	6705
Name	OJ990620_36.9B04.C18.o1.tm	Method	TBLASTX:Maize
Start	2488	End	3428
GI	none	Score	138
Exons	2488..2625, 2514..2624, 2609..2638, 3042..3428, 3044..3334		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24473	Strand	-
Start	3656	End	6705
Name	OJ990620_36.9B04.C18.o1.ts	Method	TBLASTX:Soybean
Start	2500	End	5921
GI	none	Score	104
Exons	2500..2625, 3042..3077, 3078..3218, 3131..3217, 3258..3461, 3549..3644, 3702..3788, 4947..5096, 5874..5921		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24473	Strand	-

Start	3656	End	6705
Name	OJ990620_36.9B04.C18.o2.tm	Method	TBLASTX:Maize
Start	3431	End	5108
GI	none	Score	126
Exons	3431..3517, 3486..3617, 3518..3616, 3657..3788, 3659..3787, 3678..3788, 4878..4931, 4879..4932, 4948..4992, 5034..5108, 5034..5099		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24473	Strand	-
Start	3656	End	6705
Name	OJ990620_36.9B04.C18.o2.np	Method	AAT/NAP
Start	3656	End	6705
GI	4926834	Score	97
Exons	3656..3706, 4881..5091, 6632..6705		
GI Descrip.	(AC004135) T17H7.19 [Arabidopsis thaliana]		

Seq. No.	11541	Seq. ID	OJ990620_36.9B04.C18
Gene No.	24473	Strand	-
Start	3656	End	6705
Name	OJ990620_36.9B04.C18.o2.gs	Method	GENSCAN
Start	4504	End	5194
GI	none	Score	.82
Exons	4504..4689, 4848..5010, 5085..5194		

Seq. No.	11542	Seq. ID	OJ990620_36.9B04.C20
Gene No.	24474	Strand	-
Start	481	End	643
Name	OJ990620_36.9B04.C20.o1.tc	Method	TBLASTX:Cress
Start	338	End	598
GI	none	Score	220
Exons	338..505, 364..504, 541..585, 542..598		

Seq. No.	11542	Seq. ID	OJ990620_36.9B04.C20
Gene No.	24474	Strand	-
Start	481	End	643
Name	OJ990620_36.9B04.C20.o1.ts	Method	TBLASTX:Soybean
Start	355	End	643
GI	none	Score	287
Exons	355..501, 356..643, 541..639		

Seq. No.	11542	Seq. ID	OJ990620_36.9B04.C20
Gene No.	24474	Strand	-
Start	481	End	643
Name	OJ990620_36.9B04.C20.o1.gs	Method	GENSCAN
Start	481	End	621
GI	none	Score	.43
Exons	481..621		

Seq. No.	11543	Seq. ID	OJ990620_36.9B04.C21
Gene No.	24475	Strand	+
Start	1	End	2196
Name	OJ990620_36.9B04.C21.o1.gp	Method	AAT/GAP
Start	1	End	2196
GI	42965_1.R1084	Score	1373
Exons	1..320, 1790..2196		
GI Descrip.	'1621493/dbj|BAA12902| 4.0e-42 (D85876) reverse transcriptase		

[Oryza sativa]'

Seq. No.	11543	Seq. ID	OJ990620_36.9B04.C21
Gene No.	24475	Strand	+
Start	1	End	2196
Name	OJ990620_36.9B04.C21.o1.tm	Method	TBLASTX:Maize
Start	95	End	2122
GI	none	Score	348
Exons	95..322, 108..323, 1787..1912, 1789..1908, 1906..1986, 1916..1984, 2081..2122		

Seq. No.	11543	Seq. ID	OJ990620_36.9B04.C21
Gene No.	24475	Strand	+
Start	1	End	2196
Name	OJ990620_36.9B04.C21.o1.gs	Method	GENSCAN
Start	108	End	1972
GI	none	Score	.98
Exons	108..320, 1790..1972		

Seq. No.	11543	Seq. ID	OJ990620_36.9B04.C21
Gene No.	24475	Strand	+
Start	1	End	2196
Name	OJ990620_36.9B04.C21.o1.tc	Method	TBLASTX:Cress
Start	114	End	1966
GI	none	Score	243
Exons	114..323, 134..322, 1787..1966, 1787..1966		

Seq. No.	11543	Seq. ID	OJ990620_36.9B04.C21
Gene No.	24475	Strand	+
Start	1	End	2196
Name	OJ990620_36.9B04.C21.o1.ts	Method	TBLASTX:Soybean
Start	120	End	323
GI	none	Score	240
Exons	120..323, 122..322		

Seq. No.	11543	Seq. ID	OJ990620_36.9B04.C21
Gene No.	24475	Strand	+
Start	1	End	2196
Name	OJ990620_36.9B04.C21.o2.ts	Method	TBLASTX:Soybean
Start	1787	End	1987
GI	none	Score	154
Exons	1787..1894, 1789..1887, 1793..1894, 1916..1987		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24476	Strand	+
Start	368	End	5829
Name	OJ990620_36.9B04.C22.o1.gs	Method	GENSCAN
Start	368	End	5233
GI	none	Score	.75
Exons	368..438, 1853..2384, 2621..2709, 3168..3232, 3341..3396, 3481..3601, 3690..3764, 4063..4116, 4204..4298, 4378..4552, 4667..4907, 5230..5233		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24476	Strand	+
Start	368	End	5829
Name	OJ990620_36.9B04.C22.o1.gp	Method	AAT/GAP

Start	728	End	2213
GI	uC-osroM202011a09b1	Score	958
Exons	728..871, 1853..2213		
GI Descrip.	'4827060/ref|NP_005099.1|pXYLB| 3.0e-23 xylulokinase (H. influenzae) homolog >gi_3298502_dbj_BAA31527_ (AB015046) xylulokinase [Homo sapiens]'		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24476	Strand	+
Start	368	End	5829
Name	OJ990620_36.9B04.C22.o1.np	Method	AAT/NAP
Start	819	End	5829
GI	4827060	Score	786
Exons	819..871, 1853..2504, 2621..2709, 3168..3247, 3359..3396, 3481..3601, 3690..3764, 4063..4181, 4378..4552, 4667..4734, 5718..5829		
GI Descrip.	xylulokinase (H. influenzae) homolog gi|3298502|dbj|BAA31527| (AB015046) xylulokinase [Homo sapiens]		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24476	Strand	+
Start	368	End	5829
Name	OJ990620_36.9B04.C22.o2.gp	Method	AAT/GAP
Start	3323	End	4436
GI	25339_1.R1084	Score	805
Exons	3323..3396, 3481..3601, 3690..3764, 4063..4116, 4204..4298, 4378..4436		
GI Descrip.	'4827060/ref|NP_005099.1|pXYLB| 9.0e-25 xylulokinase (H. influenzae) homolog >gi_3298502_dbj_BAA31527_ (AB015046) xylulokinase [Homo sapiens]'		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24476	Strand	+
Start	368	End	5829
Name	OJ990620_36.9B04.C22.o3.gp	Method	AAT/GAP
Start	4697	End	5173
GI	none	Score	938
Exons	4697..5173		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o1.ts	Method	TBLASTX:Soybean
Start	810	End	2299
GI	none	Score	66
Exons	810..872, 1842..2039, 1853..2008, 1938..2036, 2022..2297, 2046..2186, 2054..2299		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o1.tc	Method	TBLASTX:Cress
Start	825	End	2492
GI	none	Score	67
Exons	825..872, 1842..2039, 1853..2008, 1938..2036, 2046..2486, 2052..2492, 2054..2488		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o1.tm	Method	TBLASTX:Maize
Start	2051	End	4935
GI	none	Score	696
Exons	2051..2503, 2052..2504, 2052..2504, 2608..2712, 2609..2710, 2620..2715, 3160..3234, 3165..3233, 3165..3242, 3166..3234, 3167..3235, 3331..3399, 3339..3398, 3444..3599, 3481..3606, 3484..3606, 3524..3607, 3685..3765, 3687..3770, 3689..3766, 4061..4114, 4062..4115, 4071..4115, 4201..4302, 4203..4301, 4203..4340, 4370..4552, 4377..4559, 4378..4560, 4661..4807, 4661..4765, 4666..4809, 4668..4835, 4701..4934, 4702..4935		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o1.tw	Method	TBLASTX:Wheat
Start	2198	End	2675
GI	none	Score	466
Exons	2198..2503, 2202..2504, 2205..2531, 2609..2674, 2610..2675, 2618..2674		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o2.ts	Method	TBLASTX:Soybean
Start	3175	End	4115
GI	none	Score	99
Exons	3175..3234, 3175..3234, 3180..3242, 3331..3399, 3339..3398, 3444..3599, 3481..3606, 3493..3606, 3706..3765, 3707..3766, 3714..3767, 4061..4114, 4062..4115		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o2.tc	Method	TBLASTX:Cress
Start	3321	End	4902
GI	none	Score	94
Exons	3321..3398, 3340..3399, 3444..3611, 3479..3601, 3481..3606, 3689..3763, 4064..4114, 4065..4115, 4203..4301, 4377..4475, 4378..4476, 4477..4560, 4545..4574, 4684..4728, 4702..4725, 4711..4812, 4822..4902, 4851..4901		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o2.tw	Method	TBLASTX:Wheat
Start	4399	End	4857
GI	none	Score	243
Exons	4399..4560, 4400..4552, 4407..4559, 4655..4792, 4655..4765, 4668..4793, 4701..4799, 4702..4800, 4813..4857		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o2.np	Method	AAT/NAP

Start	10037	End	11589
GI	6815072	Score	1521
Exons	10037..11589		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o3.ts	Method	TBLASTX:Soybean
Start	10129	End	10312
GI	none	Score	101
Exons	10129..10311, 10130..10309, 10139..10312		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o3.tm	Method	TBLASTX:Maize
Start	10235	End	10557
GI	none	Score	38
Exons	10235..10315, 10237..10326, 10336..10557, 10382..10555, 10384..10557		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o3.tc	Method	TBLASTX:Cress
Start	10303	End	10575
GI	none	Score	100
Exons	10303..10575, 10361..10549		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o4.ts	Method	TBLASTX:Soybean
Start	10381	End	10611
GI	none	Score	195
Exons	10381..10611		

Seq. No.	11544	Seq. ID	OJ990620_36.9B04.C22
Gene No.	24477	Strand	-
Start	10037	End	11589
Name	OJ990620_36.9B04.C22.o2.tm	Method	TBLASTX:Maize
Start	10864	End	11232
GI	none	Score	130
Exons	10864..11232, 10988..11215, 11134..11232		

Seq. No.	11545	Seq. ID	OJ990430_27.9B05.C1
Gene No.	24478	Strand	-
Start	1	End	535
Name	OJ990430_27.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	535
GI	5708067	Score	54
Exons	1..178, 353..535		
GI Descrip.	(AB022927) hyperpolarization activated cation channel [Oryctolagus cuniculus]		

Seq. No.	11545	Seq. ID	OJ990430_27.9B05.C1
Gene No.	24478	Strand	-
Start	1	End	535
Name	OJ990430_27.9B05.C1.o1.gs	Method	GENSCAN
Start	172	End	332
GI	none	Score	1
Exons	172..332		

Seq. No.	11546	Seq. ID	OJ990430_27.9B05.C2
Gene No.	24479	Strand	+
Start	561	End	764
Name	OJ990430_27.9B05.C2.o1.gs	Method	GENSCAN
Start	561	End	764
GI	none	Score	.69
Exons	561..764		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24480	Strand	+
Start	52	End	429
Name	OJ990430_27.9B05.C3.o1.gs	Method	GENSCAN
Start	52	End	429
GI	none	Score	.95
Exons	52..429		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24481	Strand	+
Start	3547	End	5612
Name	OJ990430_27.9B05.C3.o3.gs	Method	GENSCAN
Start	3547	End	4627
GI	none	Score	.69
Exons	3547..3601, 3818..4003, 4118..4331, 4381..4627		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24481	Strand	+
Start	3547	End	5612
Name	OJ990430_27.9B05.C3.o2.np	Method	AAT/NAP
Start	4102	End	5612
GI	1262906	Score	155
Exons	4102..4342, 4509..4561, 5543..5612		
GI Descrip.	(U51569) chalcone synthase [Sorghum bicolor]		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24482	Strand	-
Start	1847	End	3409
Name	OJ990430_27.9B05.C3.o1.np	Method	AAT/NAP
Start	1844	End	3400
GI	5042425	Score	1198
Exons	1844..3400		
GI Descrip.	(AC006193) Putative Cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24482	Strand	-
Start	1847	End	3409
Name	OJ990430_27.9B05.C3.o2.gs	Method	GENSCAN
Start	1847	End	3409
GI	none	Score	1
Exons	1847..3409		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	44	End	4546
GI	none	Score	61
Exons	44..196, 50..115, 89..208, 4171..4356, 4179..4349, 4487..4546, 4501..4545		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	1841	End	3040
GI	none	Score	47
Exons	1841..1915, 1886..2326, 1904..2299, 2112..2306, 2345..2512, 2385..2459, 2399..2485, 2753..2860, 2754..2927, 2918..3040		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	1853	End	3286
GI	none	Score	192
Exons	1853..2092, 1860..2048, 2099..2323, 2112..2306, 2348..2491, 2379..2462, 2399..2485, 2510..2572, 2618..2737, 2744..2854, 2802..2852, 2921..3058, 2940..3035, 3113..3286		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	1853	End	3085
GI	none	Score	91
Exons	1853..1927, 1946..2086, 1947..2048, 2087..2497, 2112..2306, 2385..2474, 2756..2857, 2906..3085		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	1859	End	2212
GI	none	Score	233
Exons	1859..2212, 1872..2048, 1874..2212		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	2571	End	3289
GI	none	Score	102
Exons	2571..2663, 2915..3052, 2918..3025, 2928..3056, 3071..3136, 3092..3172, 3168..3272, 3179..3289, 3194..3277		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-

Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	3092	End	3289
GI	none	Score	102
Exons	3092..3289, 3159..3284		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o3.ts	Method	TBLASTX:Soybean
Start	3092	End	3286
GI	none	Score	68
Exons	3092..3286, 3162..3284		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o2.tc	Method	TBLASTX:Cress
Start	4171	End	4356
GI	none	Score	182
Exons	4171..4356, 4179..4325		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	4171	End	4546
GI	none	Score	187
Exons	4171..4356, 4179..4349, 4487..4546		

Seq. No.	11547	Seq. ID	OJ990430_27.9B05.C3
Gene No.	24483	Strand	-
Start	4745	End	5580
Name	OJ990430_27.9B05.C3.o4.gs	Method	GENSCAN
Start	4745	End	5580
GI	none	Score	.78
Exons	4745..4893, 5416..5449, 5479..5580		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24484	Strand	+
Start	206	End	776
Name	OJ990430_27.9B05.C4.o1.gs	Method	GENSCAN
Start	206	End	776
GI	none	Score	.77
Exons	206..226, 419..575, 719..776		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24485	Strand	-
Start	1266	End	2867
Name	OJ990430_27.9B05.C4.o1.np	Method	AAT/NAP
Start	1263	End	2855
GI	4038055	Score	1112
Exons	1263..2855		
GI Descrip.	(AC005897) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24485	Strand	-

Start	1266	End	2867
Name	OJ990430_27.9B05.C4.o2.gs	Method	GENSCAN
Start	1266	End	2867
GI	none	Score	1
Exons	1266..2867		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24486	Strand	-
Start	3461	End	4610
Name	OJ990430_27.9B05.C4.o3.gs	Method	GENSCAN
Start	3461	End	4534
GI	none	Score	.67
Exons	3461..3575, 3800..3956, 4141..4534		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24486	Strand	-
Start	3461	End	4610
Name	OJ990430_27.9B05.C4.o1.gp	Method	AAT/GAP
Start	3617	End	4487
GI	none	Score	1669
Exons	3617..4487		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24486	Strand	-
Start	3461	End	4610
Name	OJ990430_27.9B05.C4.o2.np	Method	AAT/NAP
Start	4070	End	4610
GI	3702339	Score	68
Exons	4070..4217, 4503..4610		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24487	Strand	-
Start	4526	End	4610
Name	OJ990430_27.9B05.C4.o1.tc	Method	TBLASTX:Cress
Start	1272	End	2684
GI	none	Score	129
Exons	1272..1481, 1282..1473, 1521..1727, 1522..1725, 1776..2024, 1810..1911, 2043..2189, 2196..2333, 2349..2501, 2535..2564, 2559..2684		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24487	Strand	-
Start	4526	End	4610
Name	OJ990430_27.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	1272	End	2540
GI	none	Score	45
Exons	1272..1346, 1296..1349, 1365..1472, 1366..1467, 1518..1727, 1522..1725, 1755..1928, 1819..1908, 2070..2174, 2202..2540		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24487	Strand	-
Start	4526	End	4610
Name	OJ990430_27.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	1278	End	1635
GI	none	Score	157
Exons	1278..1481, 1285..1473, 1412..1513, 1416..1514, 1521..1634,		

1525..1635

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24487	Strand	-
Start	4526	End	4610
Name	OJ990430_27.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	1293	End	2480
GI	none	Score	43
Exons	1293..1334, 1305..1481, 1363..1473, 1521..1745, 1525..1725, 1761..1952, 1819..1911, 1935..1991, 2046..2201, 2199..2318, 2361..2480		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24487	Strand	-
Start	4526	End	4610
Name	OJ990430_27.9B05.C4.o2.tw	Method	TBLASTX:Wheat
Start	2358	End	2750
GI	none	Score	36
Exons	2358..2519, 2398..2499, 2538..2618, 2614..2688, 2625..2750, 2625..2687		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24487	Strand	-
Start	4526	End	4610
Name	OJ990430_27.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	2481	End	2761
GI	none	Score	155
Exons	2481..2687, 2484..2699, 2488..2697, 2694..2759, 2708..2761		

Seq. No.	11548	Seq. ID	OJ990430_27.9B05.C4
Gene No.	24487	Strand	-
Start	4526	End	4610
Name	OJ990430_27.9B05.C4.o2.gp	Method	AAT/GAP
Start	4526	End	4610
GI	LIB3434-012-P1-K1-B2	Score	147
Exons	4526..4610		
GI Descrip.	'3702339 2.0e-39 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	774
GI	none	Score	812
Exons	2..766, 3..767, 33..767, 34..774		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	11	End	766
GI	none	Score	118
Exons	11..346, 15..347, 347..766, 354..647, 696..764		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-

Start	22	End	5354
Name	OJ990430_27.9B05.C5.o1.gs	Method	GENSCAN
Start	22	End	5246
GI	none	Score	.53
Exons	22..773, 1350..1447, 2191..2242, 2296..2566, 2621..3097, 3581..5031, 5128..5246		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	116	End	772
GI	none	Score	56
Exons	116..337, 117..317, 342..764, 344..772		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o1.gp	Method	AAT/GAP
Start	210	End	1492
GI	4714763	Score	1361
Exons	210..773, 1350..1492		
GI Descrip.	3702339 2.0e-39 (AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	413	End	791
GI	none	Score	428
Exons	413..787, 414..791		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o1.np	Method	AAT/NAP
Start	1576	End	5354
GI	6466937	Score	2204
Exons	1576..1643, 2437..5354		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o4.tm	Method	TBLASTX:Maize
Start	2292	End	3044
GI	none	Score	63
Exons	2292..2372, 2296..2346, 2403..3044, 2472..2558, 2683..2949		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o4.tw	Method	TBLASTX:Wheat
Start	2665	End	3017
GI	none	Score	151

Exons	2665..2952, 2679..3017		
Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	3087	End	3722
GI	none	Score	362
Exons	3087..3722, 3088..3720		
Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o5.tw	Method	TBLASTX:Wheat
Start	3087	End	3467
GI	none	Score	97
Exons	3087..3467, 3088..3375		
Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o3.ts	Method	TBLASTX:Soybean
Start	3315	End	3698
GI	none	Score	148
Exons	3315..3698, 3316..3585		
Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o2.tw	Method	TBLASTX:Wheat
Start	3555	End	3974
GI	none	Score	138
Exons	3555..3974, 3556..3813		
Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o7.tm	Method	TBLASTX:Maize
Start	3723	End	3953
GI	none	Score	64
Exons	3723..3953, 3735..3950		
Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o5.tm	Method	TBLASTX:Maize
Start	3972	End	4464
GI	none	Score	151
Exons	3972..4463, 4020..4334, 4036..4464		
Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o6.tw	Method	TBLASTX:Wheat
Start	4330	End	4697
GI	none	Score	163
Exons	4330..4659, 4380..4697, 4404..4664		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	4410	End	4769
GI	none	Score	332
Exons	4410..4769		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o6.tm	Method	TBLASTX:Maize
Start	4467	End	4686
GI	none	Score	127
Exons	4467..4685, 4467..4685, 4474..4686, 4474..4686		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o3.tm	Method	TBLASTX:Maize
Start	4692	End	5175
GI	none	Score	223
Exons	4692..5165, 4695..5078, 4696..5163, 4865..5167, 4993..5175		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o3.tw	Method	TBLASTX:Wheat
Start	4746	End	5228
GI	none	Score	197
Exons	4746..5228, 4750..5148		

Seq. No.	11549	Seq. ID	OJ990430_27.9B05.C5
Gene No.	24488	Strand	-
Start	22	End	5354
Name	OJ990430_27.9B05.C5.o4.ts	Method	TBLASTX:Soybean
Start	4878	End	5192
GI	none	Score	198
Exons	4878..5192		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24489	Strand	+
Start	7018	End	21852
Name	OJ990430_27.9B05.C6.o2.np	Method	AAT/NAP
Start	7018	End	21722
GI	1644232	Score	89
Exons	7018..7148, 16027..16432, 21685..21722		
GI Descrip.	(D67066) N-WASP [Bos taurus]		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24489	Strand	+
Start	7018	End	21852
Name	OJ990430_27.9B05.C6.o2.gp	Method	AAT/GAP
Start	11283	End	11591
GI	2442656	Score	572
Exons	11283..11591		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24489	Strand	+
Start	7018	End	21852
Name	OJ990430_27.9B05.C6.o1.np	Method	AAT/NAP
Start	11566	End	17301
GI	4538967	Score	976
Exons	11566..11811, 15971..16458, 17109..17301		
GI Descrip.	(AL049488) major intrinsic protein (MIP)-like [Arabidopsis thaliana]		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24489	Strand	+
Start	7018	End	21852
Name	OJ990430_27.9B05.C6.o3.gs	Method	GENSCAN
Start	11566	End	21852
GI	none	Score	.64
Exons	11566..11811, 15971..16458, 17109..17244, 17986..18070, 19511..19724, 20195..20387, 21487..21684, 21745..21852		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24489	Strand	+
Start	7018	End	21852
Name	OJ990430_27.9B05.C6.o3.gp	Method	AAT/GAP
Start	11743	End	16451
GI	42922_1.R1084	Score	1000
Exons	11743..11811, 15971..16451		
GI Descrip.	'4538967/emb|CAB39791.1| 1.0e-65 (AL049488) major intrinsic protein (MIP)-like [Arabidopsis thaliana]'		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24490	Strand	-
Start	37	End	5028
Name	OJ990430_27.9B05.C6.o1.gs	Method	GENSCAN
Start	37	End	5028
GI	none	Score	.63
Exons	37..385, 749..931, 1064..1136, 1737..1872, 1943..2018, 2721..2846, 3019..3087, 4050..4203, 4666..4895, 4934..5028		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24490	Strand	-
Start	37	End	5028
Name	OJ990430_27.9B05.C6.o1.gp	Method	AAT/GAP
Start	3828	End	4798
GI	3106950	Score	631
Exons	3828..4017, 4655..4798		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24491	Strand	
Start	15967	End	17313
Name	OJ990430_27.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	15967	End	17313
GI	none	Score	723
Exons	15967..16458, 15968..16459, 17109..17303, 17110..17313		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24491	Strand	

Start	15967	End	17313
Name	OJ990430_27.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	15968	End	17211
GI	none	Score	219
Exons	15968..16264, 15976..16239, 16301..16465, 17110..17211, 17124..17207		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24491	Strand	
Start	15967	End	17313
Name	OJ990430_27.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	15968	End	17211
GI	none	Score	234
Exons	15968..16264, 15976..16254, 16301..16465, 17109..17210, 17110..17211		

Seq. No.	11550	Seq. ID	OJ990430_27.9B05.C6
Gene No.	24491	Strand	
Start	15967	End	17313
Name	OJ990430_27.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	16124	End	16441
GI	none	Score	178
Exons	16124..16297, 16301..16441		

Seq. No.	11551	Seq. ID	OJ990430_27.9B05.C7
Gene No.	24492	Strand	+
Start	1036	End	5268
Name	OJ990430_27.9B05.C7.o1.np	Method	AAT/NAP
Start	1036	End	5268
GI	5263326	Score	451
Exons	1036..1151, 1281..1421, 1520..1617, 2319..2408, 2779..2831, 3169..3234, 4124..4207, 4689..4748, 5248..5268		
GI Descrip.	(AC007727) Similar to gb|U06698 neuronal kinesin heavy chain from Homo sapiens and contains a PF|00225 Kinesin motor domain. EST gb|AA042507 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	11552	Seq. ID	OJ990430_27.9B05.C8
Gene No.	24493	Strand	+
Start	1	End	2668
Name	OJ990430_27.9B05.C8.o1.np	Method	AAT/NAP
Start	1	End	2651
GI	4539324	Score	913
Exons	1..155, 309..365, 451..555, 889..993, 1129..1236, 1327..1458, 1612..1795, 1926..2071, 2514..2651		
GI Descrip.	(AL035679) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	11552	Seq. ID	OJ990430_27.9B05.C8
Gene No.	24493	Strand	+
Start	1	End	2668
Name	OJ990430_27.9B05.C8.o1.gs	Method	GENSCAN
Start	81	End	2651
GI	none	Score	.95
Exons	81..155, 309..365, 451..555, 889..993, 1129..1236, 1327..1458, 1612..1791, 1907..2071, 2511..2651		

Seq. No.	11552	Seq. ID	OJ990430_27.9B05.C8
Gene No.	24493	Strand	+

Start	1	End	2668
Name	OJ990430_27.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	83	End	1220
GI	none	Score	85
Exons	83..169, 85..153, 87..158, 308..361, 308..364, 309..365, 309..365, 451..558, 451..552, 537..560, 888..998, 891..995, 1123..1218, 1128..1220		

Seq. No.	11552	Seq. ID	OJ990430_27.9B05.C8
Gene No.	24493	Strand	+
Start	1	End	2668
Name	OJ990430_27.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	1164	End	2668
GI	none	Score	66
Exons	1164..1217, 1164..1232, 1165..1239, 1315..1461, 1326..1379, 1611..1736, 1612..1737, 1741..1794, 2507..2650, 2510..2668, 2511..2654		

Seq. No.	11552	Seq. ID	OJ990430_27.9B05.C8
Gene No.	24493	Strand	+
Start	1	End	2668
Name	OJ990430_27.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	1382	End	2079
GI	none	Score	72
Exons	1382..1450, 1383..1451, 1384..1461, 1611..1748, 1612..1749, 1750..1791, 1907..2074, 1912..2073, 1915..2079		

Seq. No.	11552	Seq. ID	OJ990430_27.9B05.C8
Gene No.	24493	Strand	+
Start	1	End	2668
Name	OJ990430_27.9B05.C8.o1.gp	Method	AAT/GAP
Start	1978	End	2651
GI	uC-osf1M202115g06b1	Score	431
Exons	1978..2071, 2511..2651		
GI Descrip.	'4567271/gb|AAD23684.1|AC006841_12 2.0e-29 (AC006841) putative kinesin protein [Arabidopsis thaliana]'		

Seq. No.	11553	Seq. ID	OJ990430_27.9B05.C9
Gene No.	24494	Strand	+
Start	1	End	1624
Name	OJ990430_27.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	1624
GI	4539324	Score	608
Exons	1..29, 93..143, 248..295, 417..548, 654..1334, 1461..1624		
GI Descrip.	(AL035679) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	11553	Seq. ID	OJ990430_27.9B05.C9
Gene No.	24494	Strand	+
Start	1	End	1624
Name	OJ990430_27.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	89	End	1602
GI	none	Score	54
Exons	89..151, 111..146, 234..293, 235..294, 242..301, 412..495, 414..509, 416..505, 498..548, 501..548, 521..553, 651..992, 651..827, 652..1152, 653..1330, 668..1339, 1455..1589, 1456..1590, 1460..1591, 1466..1591, 1492..1602		

Seq. No.	11553	Seq. ID	OJ990430_27.9B05.C9
Gene No.	24494	Strand	+
Start	1	End	1624
Name	OJ990430_27.9B05.C9.o1.gs	Method	GENSCAN
Start	248	End	1590
GI	none	Score	.98
Exons	248..295, 417..548, 654..1334, 1461..1590		

Seq. No.	11553	Seq. ID	OJ990430_27.9B05.C9
Gene No.	24494	Strand	+
Start	1	End	1624
Name	OJ990430_27.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	1452	End	1591
GI	none	Score	190
Exons	1452..1589, 1472..1591		

Seq. No.	11554	Seq. ID	OJ990430_27.9B05.C10
Gene No.	24495	Strand	
Start	106	End	558
Name	OJ990430_27.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	106	End	558
GI	none	Score	154
Exons	106..162, 110..211, 117..206, 302..397, 337..396, 339..398, 340..423, 365..430, 377..436, 396..431, 468..551, 500..550, 508..558, 509..553		

Seq. No.	11555	Seq. ID	OJ990430_27.9B05.C12
Gene No.	24496	Strand	+
Start	1	End	93
Name	OJ990430_27.9B05.C12.o1.gp	Method	AAT/GAP
Start	1	End	93
GI	368_2.R1084	Score	182
Exons	1..93		
GI Descrip.	'3928085 8.0e-17 (AC005770) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11556	Seq. ID	OJ990430_27.9B05.C14
Gene No.	24497	Strand	+
Start	62	End	238
Name	OJ990430_27.9B05.C14.o1.gs	Method	GENSCAN
Start	62	End	238
GI	none	Score	.67
Exons	62..238		

Seq. No.	11556	Seq. ID	OJ990430_27.9B05.C14
Gene No.	24498	Strand	+
Start	1393	End	1665
Name	OJ990430_27.9B05.C14.o1.gp	Method	AAT/GAP
Start	1393	End	1665
GI	701523	Score	506
Exons	1393..1665		

Seq. No.	11556	Seq. ID	OJ990430_27.9B05.C14
Gene No.	24499	Strand	-
Start	730	End	1591
Name	OJ990430_27.9B05.C14.o2.gs	Method	GENSCAN
Start	730	End	1591

GI	none	Score	.54
Exons	730..845, 1307..1591		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24500	Strand	+
Start	1	End	898
Name	OJ990430_27.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	881
GI	4538968	Score	466
Exons	1..90, 201..881		
GI Descrip.	(AL049488) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24500	Strand	+
Start	1	End	898
Name	OJ990430_27.9B05.C15.o1.gs	Method	GENSCAN
Start	204	End	898
GI	none	Score	.46
Exons	204..898		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24501	Strand	-
Start	546	End	1060
Name	OJ990430_27.9B05.C15.o2.gp	Method	AAT/GAP
Start	546	End	1060
GI	none	Score	1009
Exons	546..1060		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24502	Strand	-
Start	1646	End	3067
Name	OJ990430_27.9B05.C15.o2.gs	Method	GENSCAN
Start	1646	End	3067
GI	none	Score	.66
Exons	1646..1894, 2884..2936, 2998..3067		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	6	End	607
GI	none	Score	53
Exons	6..83, 197..454, 464..607		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o1.tc	Method	TBLASTX:Cress
Start	9	End	633
GI	none	Score	51
Exons	9..80, 179..613, 238..456, 496..633		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o3.tm	Method	TBLASTX:Maize
Start	12	End	403

GI	none	Score	67
Exons	12..80, 188..403, 238..387		
Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o1.tw	Method	TBLASTX:Wheat
Start	203	End	448
GI	none	Score	290
Exons	203..448, 238..447		
Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	403	End	670
GI	none	Score	192
Exons	403..633, 409..576, 413..670		
Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o3.gp	Method	AAT/GAP
Start	3655	End	5725
GI	794_1.R1084	Score	1493
Exons	3655..3980, 4311..4481, 5010..5098, 5459..5725		
GI Descrip.	'2570497 1.0e-69 (AF022731) H protein subunit of glycine decarboxylase [Oryza sativa]'		
Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o2.ts	Method	TBLASTX:Soybean
Start	3821	End	5645
GI	none	Score	105
Exons	3821..3859, 3861..3980, 3898..3978, 4308..4490, 4309..4500, 5010..5102, 5014..5100, 5445..5645, 5468..5605		
Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o2.tw	Method	TBLASTX:Wheat
Start	3831	End	4007
GI	none	Score	153
Exons	3831..3980, 3877..3981, 3880..3981, 3939..4007		
Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o2.tm	Method	TBLASTX:Maize
Start	3854	End	5568
GI	none	Score	151
Exons	3854..3913, 3855..3980, 3877..3981, 4302..4490, 4312..4482, 4993..5091, 4994..5098, 5009..5098, 5010..5099, 5011..5100, 5436..5567, 5459..5566, 5460..5567, 5461..5568		
Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15

Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o3.gs	Method	GENSCAN
Start	3855	End	8672
GI	none	Score	.7
Exons	3855..3980, 4311..4481, 5010..5098, 5459..5680, 8288..8444, 8598..8672		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o2.np	Method	AAT/NAP
Start	3860	End	5567
GI	2570497	Score	598
Exons	3860..3980, 4311..4481, 5010..5098, 5459..5567		
GI Descrip.	(AF022731) H protein subunit of glycine decarboxylase [Oryza sativa]		

Seq. No.	11557	Seq. ID	OJ990430_27.9B05.C15
Gene No.	24503	Strand	-
Start	3855	End	8672
Name	OJ990430_27.9B05.C15.o2.tc	Method	TBLASTX:Cress
Start	3861	End	5100
GI	none	Score	71
Exons	3861..3980, 3877..3975, 4308..4490, 4309..4485, 5010..5099, 5020..5100		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24504	Strand	+
Start	33	End	1421
Name	OJ990430_27.9B05.C16.o1.gs	Method	GENSCAN
Start	33	End	1421
GI	none	Score	.8
Exons	33..80, 416..458, 945..1086, 1319..1421		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24505	Strand	-
Start	1809	End	2135
Name	OJ990430_27.9B05.C16.o2.gs	Method	GENSCAN
Start	1809	End	2135
GI	none	Score	.65
Exons	1809..1833, 2011..2135		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24506	Strand	-
Start	2983	End	7122
Name	OJ990430_27.9B05.C16.o3.gs	Method	GENSCAN
Start	2983	End	7002
GI	none	Score	.56
Exons	2983..7002		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24506	Strand	-
Start	2983	End	7122
Name	OJ990430_27.9B05.C16.o1.np	Method	AAT/NAP
Start	2986	End	7122
GI	2583130	Score	1802

Exons	2986..7122		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24507	Strand	-
Start	8253	End	9803
Name	OJ990430_27.9B05.C16.o4.gs	Method	GENSCAN
Start	8253	End	9803
GI	none	Score	.99
Exons	8253..9803		
Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24507	Strand	-
Start	8253	End	9803
Name	OJ990430_27.9B05.C16.o2.np	Method	AAT/NAP
Start	8256	End	9803
GI	5042429	Score	1230
Exons	8256..9803		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o3.tm	Method	TBLASTX:Maize
Start	4400	End	4773
GI	none	Score	71
Exons	4400..4612, 4402..4764, 4663..4773		
Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o3.tw	Method	TBLASTX:Wheat
Start	4445	End	4834
GI	none	Score	148
Exons	4445..4834, 4447..4833		
Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o2.tm	Method	TBLASTX:Maize
Start	4921	End	5553
GI	none	Score	63
Exons	4921..5052, 5086..5370, 5141..5353, 5359..5553		
Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o2.tw	Method	TBLASTX:Wheat
Start	5066	End	5445
GI	none	Score	155
Exons	5066..5374, 5083..5400, 5395..5445, 5405..5443		
Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o4.tw	Method	TBLASTX:Wheat

Start	5446	End	5709
GI	none	Score	160
Exons	5446..5709, 5456..5653		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o5.tw	Method	TBLASTX:Wheat
Start	6631	End	7011
GI	none	Score	77
Exons	6631..7011, 6668..6727		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o1.tc	Method	TBLASTX:Cress
Start	8211	End	9629
GI	none	Score	194
Exons	8211..8504, 8263..8466, 8511..8735, 8514..8717, 8515..8718, 8757..8918, 8770..8904, 8898..8963, 9027..9155, 9156..9299, 9297..9455, 9507..9629		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	8265	End	9428
GI	none	Score	289
Exons	8265..8345, 8298..8738, 8302..8718, 8763..8927, 8770..8907, 8922..8966, 9051..9149, 9309..9428		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o1.ts	Method	TBLASTX:Soybean
Start	8265	End	9602
GI	none	Score	76
Exons	8265..8339, 8358..8498, 8359..8460, 8499..8750, 8515..8718, 8754..8927, 8773..8904, 8931..8963, 9165..9281, 9246..9527, 9432..9602		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o1.tw	Method	TBLASTX:Wheat
Start	8268	End	8625
GI	none	Score	408
Exons	8268..8624, 8269..8625		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o4.tm	Method	TBLASTX:Maize
Start	9162	End	9635
GI	none	Score	90
Exons	9162..9308, 9226..9291, 9432..9635, 9432..9635		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o6.tw	Method	TBLASTX:Wheat
Start	9303	End	9644
GI	none	Score	128
Exons	9303..9644, 9303..9443, 9486..9566, 9573..9629		

Seq. No.	11558	Seq. ID	OJ990430_27.9B05.C16
Gene No.	24508	Strand	-
Start	10522	End	13721
Name	OJ990430_27.9B05.C16.o5.gs	Method	GENSCAN
Start	10522	End	13721
GI	none	Score	.78
Exons	10522..10577, 11500..11589, 13129..13430, 13519..13721		

Seq. No.	11559	Seq. ID	OJ990430_27.9B05.C17
Gene No.	24509	Strand	+
Start	1	End	786
Name	OJ990430_27.9B05.C17.o1.gp	Method	AAT/GAP
Start	1	End	786
GI	83529_1.R1084	Score	814
Exons	1..86, 329..786		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-79 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	11560	Seq. ID	OJ990430_27.9B05.C18
Gene No.	24510	Strand	+
Start	1406	End	1821
Name	OJ990430_27.9B05.C18.o1.gs	Method	GENSCAN
Start	1406	End	1821
GI	none	Score	.83
Exons	1406..1511, 1517..1821		

Seq. No.	11560	Seq. ID	OJ990430_27.9B05.C18
Gene No.	24511	Strand	-
Start	2957	End	3429
Name	OJ990430_27.9B05.C18.o2.gs	Method	GENSCAN
Start	2957	End	3429
GI	none	Score	.78
Exons	2957..3308, 3326..3429		

Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24512	Strand	+
Start	1501	End	3066
Name	OJ990430_27.9B05.C19.o1.np	Method	AAT/NAP
Start	1501	End	3060
GI	5042430	Score	1206
Exons	1501..3060		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24512	Strand	+
Start	1501	End	3066
Name	OJ990430_27.9B05.C19.o2.gs	Method	GENSCAN
Start	1501	End	3066
GI	none	Score	1

Exons	1501..3066		
Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24513	Strand	+
Start	5508	End	6635
Name	OJ990430_27.9B05.C19.o4.gs	Method	GENSCAN
Start	5508	End	6635
GI	none	Score	.58
Exons	5508..5549, 6543..6635		
Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24514	Strand	+
Start	6795	End	7263
Name	OJ990430_27.9B05.C19.o1.gp	Method	AAT/GAP
Start	6795	End	7263
GI	47859_1.R1084	Score	872
Exons	6795..7263		
GI Descrip.	'461812/sp|Q05047|CP72_CATRO 8.0e-38 CYTOCHROME P450 72A1 (CYPLXXII) (PROBABLE GERANIOL-10-HYDROXYLASE) (GE10H) >gi_167484 (L10081) Cytochrome P-450 protein [Catharanthus roseus] >gi_445604_prf__1909351A cytochrome P450 [Catharanthus roseus]'		
Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24515	Strand	-
Start	2068	End	5005
Name	OJ990430_27.9B05.C19.o2.np	Method	AAT/NAP
Start	2068	End	5005
GI	6016875	Score	358
Exons	2068..2137, 3435..3581, 3690..3855, 4899..5005		
GI Descrip.	(AP000570) EST AU078302(C63241) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24515	Strand	-
Start	2068	End	5005
Name	OJ990430_27.9B05.C19.o3.gs	Method	GENSCAN
Start	3409	End	3636
GI	none	Score	.68
Exons	3409..3636		
Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24516	Strand	-
Start	6970	End	7263
Name	OJ990430_27.9B05.C19.o1.tw	Method	TBLASTX:Wheat
Start	665	End	7263
GI	none	Score	55
Exons	665..712, 2692..3048, 2692..3066, 2972..3049, 6974..7018, 6983..7261, 7006..7263, 7179..7262		
Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24516	Strand	-
Start	6970	End	7263
Name	OJ990430_27.9B05.C19.o2.tm	Method	TBLASTX:Maize
Start	1606	End	1827
GI	none	Score	39
Exons	1606..1788, 1616..1633, 1623..1814, 1636..1827		

Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24516	Strand	-
Start	6970	End	7263
Name	OJ990430_27.9B05.C19.o1.tc	Method	TBLASTX:Cress
Start	1645	End	7263
GI	none	Score	101
Exons	1645..1794, 1861..1968, 2023..2157, 2158..2334, 2320..2421, 2343..2372, 2367..2555, 2395..2556, 2547..2636, 2581..2805, 2694..2801, 2812..3051, 2850..3053, 6977..7180, 7012..7218, 7225..7263		

Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24516	Strand	-
Start	6970	End	7263
Name	OJ990430_27.9B05.C19.o2.tw	Method	TBLASTX:Wheat
Start	1648	End	1962
GI	none	Score	67
Exons	1648..1725, 1666..1749, 1741..1962, 1741..1920, 1791..1949		

Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24516	Strand	-
Start	6970	End	7263
Name	OJ990430_27.9B05.C19.o1.ts	Method	TBLASTX:Soybean
Start	1699	End	7263
GI	none	Score	173
Exons	1699..1962, 2032..2166, 2293..2403, 2407..2556, 2421..2555, 2563..2817, 2574..2639, 2694..2801, 2818..2958, 2856..2957, 2974..3027, 7012..7053, 7072..7212, 7073..7174, 7213..7263		

Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24516	Strand	-
Start	6970	End	7263
Name	OJ990430_27.9B05.C19.o1.tm	Method	TBLASTX:Maize
Start	1864	End	7263
GI	none	Score	76
Exons	1864..1965, 2038..2151, 2164..2262, 2263..2298, 2347..2391, 2389..2550, 2418..2543, 2562..2636, 2578..3018, 2691..2984, 2701..3015, 6980..7069, 7012..7263, 7046..7261		

Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24516	Strand	-
Start	6970	End	7263
Name	OJ990430_27.9B05.C19.o3.np	Method	AAT/NAP
Start	6970	End	7263
GI	5042428	Score	339
Exons	6970..7263		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11561	Seq. ID	OJ990430_27.9B05.C19
Gene No.	24516	Strand	-
Start	6970	End	7263
Name	OJ990430_27.9B05.C19.o5.gs	Method	GENSCAN
Start	6970	End	7251
GI	none	Score	.5
Exons	6970..7251		

Seq. No.	11562	Seq. ID	OJ990430_27.9B05.C20

Gene No.	24517	Strand	+
Start	1217	End	1705
Name	OJ990430_27.9B05.C20.o2.np	Method	AAT/NAP
Start	1214	End	1705
GI	5042425	Score	296
Exons	1214..1705		
GI Descrip.	(AC006193) Putative Cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11562	Seq. ID	OJ990430_27.9B05.C20
Gene No.	24517	Strand	+
Start	1217	End	1705
Name	OJ990430_27.9B05.C20.o2.gs	Method	GENSCAN
Start	1217	End	1669
GI	none	Score	.99
Exons	1217..1669		

Seq. No.	11562	Seq. ID	OJ990430_27.9B05.C20
Gene No.	24518	Strand	-
Start	1	End	1705
Name	OJ990430_27.9B05.C20.o1.np	Method	AAT/NAP
Start	1	End	586
GI	5042425	Score	324
Exons	1..586		
GI Descrip.	(AC006193) Putative Cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11562	Seq. ID	OJ990430_27.9B05.C20
Gene No.	24518	Strand	-
Start	1	End	1705
Name	OJ990430_27.9B05.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	1705
GI	none	Score	80
Exons	1..81, 2..61, 49..123, 82..105, 127..243, 128..475, 128..445, 421..474, 1333..1695, 1343..1696, 1349..1705		

Seq. No.	11562	Seq. ID	OJ990430_27.9B05.C20
Gene No.	24518	Strand	-
Start	1	End	1705
Name	OJ990430_27.9B05.C20.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1693
GI	none	Score	65
Exons	1..51, 131..265, 266..469, 266..445, 1346..1456, 1558..1674, 1562..1693		

Seq. No.	11562	Seq. ID	OJ990430_27.9B05.C20
Gene No.	24518	Strand	-
Start	1	End	1705
Name	OJ990430_27.9B05.C20.o1.gs	Method	GENSCAN
Start	35	End	586
GI	none	Score	.89
Exons	35..586		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24519	Strand	+
Start	1	End	3380
Name	OJ990430_27.9B05.C21.o1.np	Method	AAT/NAP
Start	1	End	550
GI	5042430	Score	528

Exons	1..550		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24519	Strand	+
Start	1	End	3380
Name	OJ990430_27.9B05.C21.o1.gs	Method	GENSCAN
Start	89	End	3188
GI	none	Score	.62
Exons	89..545, 1479..1643, 1728..1965, 2191..2438, 2478..2714, 2743..3188		
Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24519	Strand	+
Start	1	End	3380
Name	OJ990430_27.9B05.C21.o2.np	Method	AAT/NAP
Start	2118	End	3143
GI	5922636	Score	396
Exons	2118..2235, 2525..2714, 3009..3143		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24519	Strand	+
Start	1	End	3380
Name	OJ990430_27.9B05.C21.o1.gp	Method	AAT/GAP
Start	2403	End	2779
GI	5816533	Score	681
Exons	2403..2779		
GI Descrip.	5922636/dbj|BAA84637.1| 1.0e-14 (AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016869_dbj_BAA85212.1_ (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24519	Strand	+
Start	1	End	3380
Name	OJ990430_27.9B05.C21.o2.gp	Method	AAT/GAP
Start	3031	End	3380
GI	3762269	Score	583
Exons	3031..3380		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 1.0e-128 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24520	Strand	+
Start	3806	End	4323
Name	OJ990430_27.9B05.C21.o2.gs	Method	GENSCAN
Start	3806	End	4323
GI	none	Score	.98
Exons	3806..3821, 3896..4323		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24521	Strand	-
Start	1376	End	6439
Name	OJ990430_27.9B05.C21.o3.np	Method	AAT/NAP
Start	1376	End	6439
GI	2655098	Score	440
Exons	1376..1406, 4036..4254, 4555..4722, 6417..6439		
GI Descrip.	(AF023472) peptide transporter [Hordeum vulgare]		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24521	Strand	-
Start	1376	End	6439
Name	OJ990430_27.9B05.C21.o3.gs	Method	GENSCAN
Start	4560	End	5128
GI	none	Score	.71
Exons	4560..4787, 5057..5128		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24521	Strand	-
Start	1376	End	6439
Name	OJ990430_27.9B05.C21.o4.np	Method	AAT/NAP
Start	5348	End	5894
GI	5777617	Score	69
Exons	5348..5579, 5822..5894		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o1.tc	Method	TBLASTX:Cress
Start	86	End	9857
GI	none	Score	276
Exons	86..295, 88..291, 301..519, 302..508, 8423..8635, 8520..8627, 8672..8881, 8682..8879, 8927..9094, 8940..9116, 9083..9142, 9182..9313, 9320..9469, 9393..9470, 9497..9634, 9557..9613, 9729..9857		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o1.tm	Method	TBLASTX:Maize
Start	86	End	9446
GI	none	Score	422
Exons	86..508, 88..504, 8426..8506, 8492..8881, 8547..8879, 8549..8881, 8940..9119, 8942..9097, 9092..9136, 9182..9217, 9218..9313, 9329..9442, 9393..9446		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o1.ts	Method	TBLASTX:Soybean
Start	86	End	9634
GI	none	Score	213
Exons	86..319, 88..303, 307..402, 308..448, 8519..8626, 8562..8621, 8669..8881, 8682..8879, 8924..9076, 8934..9074, 9317..9427, 9473..9634		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o1.tw	Method	TBLASTX:Wheat
Start	181	End	8786
GI	none	Score	446
Exons	181..519, 182..514, 503..538, 8429..8785, 8454..8786		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o2.tm	Method	TBLASTX:Maize
Start	4014	End	4742
GI	none	Score	136
Exons	4014..4145, 4027..4146, 4137..4253, 4171..4257, 4561..4722, 4563..4721, 4629..4742		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o2.tc	Method	TBLASTX:Cress
Start	4027	End	4622
GI	none	Score	59
Exons	4027..4143, 4035..4142, 4137..4253, 4138..4257, 4563..4622		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o2.ts	Method	TBLASTX:Soybean
Start	4158	End	4709
GI	none	Score	92
Exons	4158..4253, 4171..4257, 4561..4701, 4563..4709		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o4.gs	Method	GENSCAN
Start	8342	End	9977
GI	none	Score	.83
Exons	8342..9574, 9609..9977		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o5.np	Method	AAT/NAP
Start	8417	End	9989
GI	5042425	Score	1088
Exons	8417..9989		
GI Descrip.	(AC006193) Putative Cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11563	Seq. ID	OJ990430_27.9B05.C21
Gene No.	24522	Strand	-
Start	8342	End	9989
Name	OJ990430_27.9B05.C21.o3.tm	Method	TBLASTX:Maize
Start	9494	End	9864
GI	none	Score	138
Exons	9494..9646, 9495..9644, 9636..9785, 9636..9863, 9640..9864		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24523	Strand	+
Start	593	End	3336
Name	OJ990430_27.9B05.C22.o1.gs	Method	GENSCAN
Start	593	End	3336
GI	none	Score	.91
Exons	593..2214, 2941..3065, 3242..3336		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24523	Strand	+
Start	593	End	3336
Name	OJ990430_27.9B05.C22.o1.np	Method	AAT/NAP
Start	596	End	2215
GI	3819164	Score	2006
Exons	596..2215		
GI Descrip.	(AJ012318) cytosolic chaperonin, delta-subunit [Glycine max]		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24524	Strand	-
Start	3583	End	5127
Name	OJ990430_27.9B05.C22.o2.gs	Method	GENSCAN
Start	3583	End	5127
GI	none	Score	.89
Exons	3583..5127		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24524	Strand	-
Start	3583	End	5127
Name	OJ990430_27.9B05.C22.o2.np	Method	AAT/NAP
Start	3586	End	5112
GI	5042425	Score	1183
Exons	3586..5112		
GI Descrip.	(AC006193) Putative Cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o3.tm	Method	TBLASTX:Maize
Start	615	End	919
GI	none	Score	189
Exons	615..641, 626..763, 676..762, 782..919, 784..897		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o4.ts	Method	TBLASTX:Soybean
Start	623	End	919
GI	none	Score	152
Exons	623..769, 682..759, 770..919, 784..897		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o4.tc	Method	TBLASTX:Cress
Start	632	End	886
GI	none	Score	130

Exons	632..769, 685..759, 784..843, 788..886		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o1.ts	Method	TBLASTX:Soybean
Start	1019	End	1648
GI	none	Score	798
Exons	1019..1648, 1022..1081, 1036..1128, 1228..1647		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o4.tm	Method	TBLASTX:Maize
Start	1036	End	1240
GI	none	Score	220
Exons	1036..1128, 1037..1240, 1184..1234		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o1.tw	Method	TBLASTX:Wheat
Start	1090	End	1543
GI	none	Score	589
Exons	1090..1125, 1091..1543, 1184..1543		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o2.tc	Method	TBLASTX:Cress
Start	1184	End	1627
GI	none	Score	533
Exons	1184..1570, 1228..1563, 1540..1626, 1547..1627		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o1.tm	Method	TBLASTX:Maize
Start	1243	End	2220
GI	none	Score	674
Exons	1243..1662, 1244..1726, 1244..1726, 1706..2215, 1712..2218, 1741..2217, 2092..2220		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o2.ts	Method	TBLASTX:Soybean
Start	1652	End	2232
GI	none	Score	68
Exons	1652..1726, 1706..2227, 1706..2221, 1741..2232		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o5.tc	Method	TBLASTX:Cress
Start	1727	End	1879
GI	none	Score	184

Exons	1727..1879, 1741..1875		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o3.tw	Method	TBLASTX:Wheat
Start	1741	End	2209
GI	none	Score	248
Exons	1741..2037, 1748..2056, 2054..2209, 2071..2208		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o3.tc	Method	TBLASTX:Cress
Start	1879	End	2222
GI	none	Score	475
Exons	1879..2217, 1880..2218, 1883..2221, 2046..2222		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o1.tc	Method	TBLASTX:Cress
Start	3565	End	11038
GI	none	Score	179
Exons	3565..3834, 3593..3796, 3841..4065, 3845..4051, 4096..4248, 4127..4225, 4255..4410, 4360..4488, 4498..4596, 4696..4776, 4831..4980, 10366..10554, 10367..10555, 10561..10785, 10565..10771, 10810..10920, 10811..10921, 10973..11038		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o2.tw	Method	TBLASTX:Wheat
Start	3593	End	10675
GI	none	Score	407
Exons	3593..3787, 3601..3954, 3601..3954, 10369..10674, 10370..10675		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o3.ts	Method	TBLASTX:Soybean
Start	3595	End	10920
GI	none	Score	42
Exons	3595..3672, 3622..3669, 3688..3828, 3689..3790, 3829..4074, 3845..4051, 4099..4266, 4133..4222, 4264..4326, 4498..4599, 4705..4803, 10387..10548, 10409..10549, 10549..10794, 10550..10771, 10804..10920		
Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o2.tm	Method	TBLASTX:Maize
Start	3628	End	11019
GI	none	Score	260
Exons	3628..4068, 3632..4048, 4075..4260, 4133..4225, 4147..4245, 4219..4338, 4351..4383, 4406..4483, 4495..4602, 4499..4597, 4696..4755, 10327..10368, 10375..10743, 10381..10788,		

10382..10768, 10808..10921, 10822..10911, 10922..10978, 10967..11017, 10975..11019

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o5.tm	Method	TBLASTX:Maize
Start	4757	End	5122
GI	none	Score	196
Exons	4757..4783, 4774..4995, 4810..4980, 4877..5122, 4899..5003		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o1.gp	Method	AAT/GAP
Start	9546	End	9630
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	9546..9630		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o3.gs	Method	GENSCAN
Start	10264	End	12337
GI	none	Score	.87
Exons	10264..10904, 11013..11073, 11267..11325, 12331..12337		

Seq. No.	11564	Seq. ID	OJ990430_27.9B05.C22
Gene No.	24525	Strand	-
Start	10264	End	12337
Name	OJ990430_27.9B05.C22.o3.np	Method	AAT/NAP
Start	10307	End	11062
GI	4038055	Score	686
Exons	10307..11062		
GI Descrip.	(AC005897) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23
Gene No.	24526	Strand	+
Start	1	End	3093
Name	OJ990430_27.9B05.C23.o1.np	Method	AAT/NAP
Start	1	End	3093
GI	1172571	Score	69
Exons	1..51, 795..1055, 3064..3093		
GI Descrip.	PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] gi|1076277|pir||S52637 phosphoenolpyruvate carboxykinase (ATP) (EC 4.1.1.49) - cucumber gi|567102 (L31899) phosphoenolpyruvate carboxykinase [Cucumis sativus]		

Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23
Gene No.	24527	Strand	-
Start	164	End	1313
Name	OJ990430_27.9B05.C23.o1.gs	Method	GENSCAN
Start	164	End	1313
GI	none	Score	.59

Exons	164..260, 993..1092, 1097..1313		
Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23
Gene No.	24528	Strand	-
Start	2072	End	3496
Name	OJ990430_27.9B05.C23.o2.np	Method	AAT/NAP
Start	1935	End	3484
GI	5042425	Score	1100
Exons	1935..3484		
GI Descrip.	(AC006193) Putative Cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23
Gene No.	24528	Strand	-
Start	2072	End	3496
Name	OJ990430_27.9B05.C23.o1.tm	Method	TBLASTX:Maize
Start	1955	End	3112
GI	none	Score	199
Exons	1955..1996, 2003..2371, 2009..2416, 2010..2396, 2436..2594, 2450..2605, 2495..2605, 2594..2644, 2602..2646, 2672..2722, 2673..2795, 2825..2947, 2834..2947, 2984..3112		
Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23
Gene No.	24528	Strand	-
Start	2072	End	3496
Name	OJ990430_27.9B05.C23.o1.tc	Method	TBLASTX:Cress
Start	1994	End	3334
GI	none	Score	185
Exons	1994..2182, 1995..2183, 2142..2399, 2189..2413, 2193..2399, 2438..2602, 2439..2621, 2591..2827, 2601..2648, 2852..3046, 3038..3130, 3185..3334		
Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23
Gene No.	24528	Strand	-
Start	2072	End	3496
Name	OJ990430_27.9B05.C23.o1.tw	Method	TBLASTX:Wheat
Start	1997	End	2303
GI	none	Score	378
Exons	1997..2302, 1998..2303		
Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23
Gene No.	24528	Strand	-
Start	2072	End	3496
Name	OJ990430_27.9B05.C23.o1.ts	Method	TBLASTX:Soybean
Start	2015	End	3157
GI	none	Score	113
Exons	2015..2176, 2037..2177, 2177..2422, 2178..2399, 2432..2605, 2439..2597, 2864..2953, 3059..3157		
Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23
Gene No.	24528	Strand	-
Start	2072	End	3496
Name	OJ990430_27.9B05.C23.o2.gs	Method	GENSCAN
Start	2072	End	3496
GI	none	Score	.86
Exons	2072..2464, 2492..3496		
Seq. No.	11565	Seq. ID	OJ990430_27.9B05.C23

Gene No.	24528	Strand	-
Start	2072	End	3496
Name	OJ990430_27.9B05.C23.o2.tm	Method	TBLASTX:Maize
Start	3113	End	3361
GI	none	Score	181
Exons	3113..3145, 3128..3361, 3164..3334, 3274..3360		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24529	Strand	+
Start	899	End	2200
Name	OJ990430_27.9B05.C24.o1.gs	Method	GENSCAN
Start	899	End	2200
GI	none	Score	.49
Exons	899..921, 1111..1298, 2026..2089, 2145..2200		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24530	Strand	+
Start	2721	End	2885
Name	OJ990430_27.9B05.C24.o2.gp	Method	AAT/GAP
Start	2721	End	2885
GI	7406_1.R1084	Score	226
Exons	2721..2885		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24531	Strand	+
Start	3323	End	9773
Name	OJ990430_27.9B05.C24.o2.gs	Method	GENSCAN
Start	3323	End	9495
GI	none	Score	.54
Exons	3323..5045, 5225..5453, 5655..5950, 6333..6483, 6589..6835, 7010..7420, 7513..7811, 7888..8146, 8239..8364, 8391..8488, 8735..8866, 8930..8977, 8982..9184, 9335..9495		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24531	Strand	+
Start	3323	End	9773
Name	OJ990430_27.9B05.C24.o1.np	Method	AAT/NAP
Start	3776	End	9216
GI	5441880	Score	4777
Exons	3776..4781, 5225..5256, 5515..5830, 6333..6483, 6589..6925, 7513..7811, 7888..8146, 8391..8488, 8735..8866, 8982..9216		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24531	Strand	+
Start	3323	End	9773
Name	OJ990430_27.9B05.C24.o3.gp	Method	AAT/GAP
Start	4380	End	4811
GI	5701669	Score	853
Exons	4380..4811		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24531	Strand	+
Start	3323	End	9773
Name	OJ990430_27.9B05.C24.o4.gp	Method	AAT/GAP
Start	7639	End	8138
GI	LIB3475-007-P1-K1-G8	Score	805
Exons	7639..7811, 7888..8138		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24531	Strand	+
Start	3323	End	9773
Name	OJ990430_27.9B05.C24.o5.gp	Method	AAT/GAP
Start	9320	End	9773
GI	LIB3431-045-P1-N1-A10	Score	848
Exons	9320..9773		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24532	Strand	-
Start	1903	End	1966
Name	OJ990430_27.9B05.C24.o1.gp	Method	AAT/GAP
Start	1903	End	1966
GI	2312838	Score	73
Exons	1903..1966		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24533	Strand	
Start	4337	End	5011
Name	OJ990430_27.9B05.C24.o1.tm	Method	TBLASTX:Maize
Start	4337	End	4933
GI	none	Score	93
Exons	4337..4465, 4345..4443, 4499..4798, 4516..4737, 4862..4933		

Seq. No.	11566	Seq. ID	OJ990430_27.9B05.C24
Gene No.	24533	Strand	
Start	4337	End	5011
Name	OJ990430_27.9B05.C24.o1.tw	Method	TBLASTX:Wheat
Start	4631	End	5011
GI	none	Score	208
Exons	4631..4825, 4640..4837, 4831..4950, 4835..5011		

Seq. No.	11567	Seq. ID	OJ990430_27.9B05.C25
Gene No.	24534	Strand	-
Start	51	End	185
Name	OJ990430_27.9B05.C25.o1.gs	Method	GENSCAN
Start	51	End	185
GI	none	Score	.5
Exons	51..185		

Seq. No.	11568	Seq. ID	OJ990430_27.9B05.C26

Gene No.	24535	Strand	-
Start	1	End	167
Name	OJ990430_27.9B05.C26.o1.np	Method	AAT/NAP
Start	1	End	167
GI	2760319	Score	130
Exons	1..167		
GI Descrip.	(AC002130) F1N21.3 [Arabidopsis thaliana]		

Seq. No.	11569	Seq. ID	OJ990430_27.9B05.C28
Gene No.	24536	Strand	+
Start	1	End	633
Name	OJ990430_27.9B05.C28.o1.np	Method	AAT/NAP
Start	1	End	633
GI	2498930	Score	42
Exons	1..21, 460..522, 604..633		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	11569	Seq. ID	OJ990430_27.9B05.C28
Gene No.	24536	Strand	+
Start	1	End	633
Name	OJ990430_27.9B05.C28.o1.gs	Method	GENSCAN
Start	133	End	520
GI	none	Score	.7
Exons	133..152, 217..338, 461..520		

Seq. No.	11570	Seq. ID	OJ990430_27.9B05.C30
Gene No.	24537	Strand	+
Start	1	End	591
Name	OJ990430_27.9B05.C30.o1.np	Method	AAT/NAP
Start	1	End	591
GI	4038055	Score	622
Exons	1..591		
GI Descrip.	(AC005897) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	11570	Seq. ID	OJ990430_27.9B05.C30
Gene No.	24537	Strand	+
Start	1	End	591
Name	OJ990430_27.9B05.C30.o1.tc	Method	TBLASTX:Cress
Start	4	End	591
GI	none	Score	39
Exons	4..54, 34..195, 67..150, 78..194, 186..275, 220..444, 333..440, 451..591, 489..590		

Seq. No.	11570	Seq. ID	OJ990430_27.9B05.C30
Gene No.	24537	Strand	+
Start	1	End	591
Name	OJ990430_27.9B05.C30.o1.tm	Method	TBLASTX:Maize
Start	7	End	591
GI	none	Score	168
Exons	7..189, 7..150, 81..182, 201..275, 217..591, 330..581		

Seq. No.	11570	Seq. ID	OJ990430_27.9B05.C30
Gene No.	24537	Strand	+
Start	1	End	591
Name	OJ990430_27.9B05.C30.o1.ts	Method	TBLASTX:Soybean
Start	25	End	591

GI	none	Score	161
Exons	25..195, 78..194, 202..456, 213..278, 333..440, 361..444, 457..591, 469..591		

Seq. No.	11570	Seq. ID	OJ990430_27.9B05.C30
Gene No.	24537	Strand	+
Start	1	End	591
Name	OJ990430_27.9B05.C30.o1.gs	Method	GENSCAN
Start	64	End	579
GI	none	Score	.89
Exons	64..579		

Seq. No.	11570	Seq. ID	OJ990430_27.9B05.C30
Gene No.	24537	Strand	+
Start	1	End	591
Name	OJ990430_27.9B05.C30.o1.tw	Method	TBLASTX:Wheat
Start	331	End	591
GI	none	Score	368
Exons	331..591, 331..591		

Seq. No.	11571	Seq. ID	OJ990430_27.9B05.C31
Gene No.	24538	Strand	+
Start	1	End	297
Name	OJ990430_27.9B05.C31.o1.np	Method	AAT/NAP
Start	1	End	186
GI	5441880	Score	165
Exons	1..186		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11571	Seq. ID	OJ990430_27.9B05.C31
Gene No.	24538	Strand	+
Start	1	End	297
Name	OJ990430_27.9B05.C31.o1.gs	Method	GENSCAN
Start	55	End	297
GI	none	Score	.9
Exons	55..186, 250..297		

Seq. No.	11571	Seq. ID	OJ990430_27.9B05.C31
Gene No.	24539	Strand	-
Start	1	End	659
Name	OJ990430_27.9B05.C31.o2.np	Method	AAT/NAP
Start	1	End	659
GI	3819164	Score	446
Exons	1..24, 299..659		
GI Descrip.	(AJ012318) cytosolic chaperonin, delta-subunit [Glycine max]		

Seq. No.	11571	Seq. ID	OJ990430_27.9B05.C31
Gene No.	24539	Strand	-
Start	1	End	659
Name	OJ990430_27.9B05.C31.o1.tm	Method	TBLASTX:Maize
Start	343	End	658
GI	none	Score	277
Exons	343..657, 344..658		

Seq. No.	11571	Seq. ID	OJ990430_27.9B05.C31

Gene No.	24539	Strand	-
Start	1	End	659
Name	OJ990430_27.9B05.C31.o1.ts	Method	TBLASTX:Soybean
Start	352	End	657
GI	none	Score	229
Exons	352..657, 352..657		

Seq. No.	11571	Seq. ID	OJ990430_27.9B05.C31
Gene No.	24539	Strand	-
Start	1	End	659
Name	OJ990430_27.9B05.C31.o1.tc	Method	TBLASTX:Cress
Start	373	End	658
GI	none	Score	165
Exons	373..453, 430..657, 446..658		

Seq. No.	11571	Seq. ID	OJ990430_27.9B05.C31
Gene No.	24539	Strand	-
Start	1	End	659
Name	OJ990430_27.9B05.C31.o1.tw	Method	TBLASTX:Wheat
Start	457	End	658
GI	none	Score	221
Exons	457..657, 458..658		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24540	Strand	+
Start	217	End	631
Name	OJ990430_26.9B12.C1.o1.gp	Method	AAT/GAP
Start	217	End	631
GI	16340_1.R1084	Score	764
Exons	217..631		
GI Descrip.	'4107000/dbj|D82035|D82035 7.0e-12 Oryza sativa mRNA for OSK4, complete cds'		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24541	Strand	+
Start	2742	End	3073
Name	OJ990430_26.9B12.C1.o2.np	Method	AAT/NAP
Start	2742	End	3073
GI	6063539	Score	121
Exons	2742..2889, 2938..3073		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24542	Strand	-
Start	390	End	3394
Name	OJ990430_26.9B12.C1.o3.tm	Method	TBLASTX:Maize
Start	361	End	587
GI	none	Score	182
Exons	361..402, 405..581, 407..586, 408..587		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24542	Strand	-
Start	390	End	3394
Name	OJ990430_26.9B12.C1.o1.gs	Method	GENSCAN
Start	390	End	3394
GI	none	Score	.45
Exons	390..1662, 1864..2491, 2935..3088, 3262..3394		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24542	Strand	-
Start	390	End	3394
Name	OJ990430_26.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	644	End	1260
GI	none	Score	670
Exons	644..1027, 645..1259, 645..1259, 646..1260		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24542	Strand	-
Start	390	End	3394
Name	OJ990430_26.9B12.C1.o4.tm	Method	TBLASTX:Maize
Start	1323	End	1601
GI	none	Score	228
Exons	1323..1601		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24542	Strand	-
Start	390	End	3394
Name	OJ990430_26.9B12.C1.o1.ts	Method	TBLASTX:Soybean
Start	1332	End	1679
GI	none	Score	129
Exons	1332..1679, 1360..1584		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24542	Strand	-
Start	390	End	3394
Name	OJ990430_26.9B12.C1.o2.tm	Method	TBLASTX:Maize
Start	1897	End	2276
GI	none	Score	237
Exons	1897..2172, 1899..2276, 1905..2201		

Seq. No.	11572	Seq. ID	OJ990430_26.9B12.C1
Gene No.	24542	Strand	-
Start	390	End	3394
Name	OJ990430_26.9B12.C1.o2.gp	Method	AAT/GAP
Start	2224	End	3030
GI	4714579	Score	682
Exons	2224..2491, 2935..3030		
GI Descrip.	4107000/dbj|D82035|D82035 7.0e-12 Oryza sativa mRNA for OSK4, complete cds		

Seq. No.	11573	Seq. ID	OJ990430_26.9B12.C2
Gene No.	24543	Strand	+
Start	720	End	2849
Name	OJ990430_26.9B12.C2.o1.np	Method	AAT/NAP
Start	720	End	2849
GI	6063554	Score	154
Exons	720..752, 1299..1528, 1616..1635, 2678..2849		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11573	Seq. ID	OJ990430_26.9B12.C2
Gene No.	24543	Strand	+
Start	720	End	2849

Name	OJ990430_26.9B12.C2.o1.gs	Method	GENSCAN
Start	1042	End	2127
GI	none	Score	.42
Exons	1042..1528, 1582..1758, 2030..2127		

Seq. No.	11573	Seq. ID	OJ990430_26.9B12.C2
Gene No.	24544	Strand	-
Start	4756	End	5086
Name	OJ990430_26.9B12.C2.o1.gp	Method	AAT/GAP
Start	4756	End	5086
GI	4715390	Score	642
Exons	4756..5086		

Seq. No.	11573	Seq. ID	OJ990430_26.9B12.C2
Gene No.	24545	Strand	-
Start	5068	End	5659
Name	OJ990430_26.9B12.C2.o1.tm	Method	TBLASTX:Maize
Start	4963	End	5601
GI	none	Score	38
Exons	4963..4989, 5077..5121, 5081..5122, 5088..5165, 5151..5321, 5199..5321, 5200..5343, 5219..5344, 5237..5347, 5315..5425, 5347..5427, 5348..5425, 5501..5599, 5502..5600, 5502..5600, 5503..5601		

Seq. No.	11573	Seq. ID	OJ990430_26.9B12.C2
Gene No.	24545	Strand	-
Start	5068	End	5659
Name	OJ990430_26.9B12.C2.o1.tc	Method	TBLASTX:Cress
Start	5066	End	5605
GI	none	Score	130
Exons	5066..5314, 5218..5313, 5323..5430, 5327..5425, 5501..5605, 5514..5603		

Seq. No.	11573	Seq. ID	OJ990430_26.9B12.C2
Gene No.	24545	Strand	-
Start	5068	End	5659
Name	OJ990430_26.9B12.C2.o2.gs	Method	GENSCAN
Start	5068	End	5599
GI	none	Score	.81
Exons	5068..5424, 5501..5599		

Seq. No.	11573	Seq. ID	OJ990430_26.9B12.C2
Gene No.	24545	Strand	-
Start	5068	End	5659
Name	OJ990430_26.9B12.C2.o2.np	Method	AAT/NAP
Start	5071	End	5659
GI	1168529	Score	402
Exons	5071..5424, 5501..5599, 5636..5659		
GI Descrip.	SERINE/THREONINE-PROTEIN KINASE ASK1 gi|541890|pir||S36944 probable serine/threonine-specific protein kinase (EC 2.7.1.-) (clone ASK1) - Arabidopsis thaliana gi|166882 (M91548) serine/threonine kinase [Arabidopsis thaliana] gi|1931648 (U95973) Ser/Thr kinase [Arabidopsis thaliana]		

Seq. No.	11573	Seq. ID	OJ990430_26.9B12.C2
Gene No.	24545	Strand	-
Start	5068	End	5659

Name	OJ990430_26.9B12.C2.o1.ts	Method	TBLASTX:Soybean
Start	5200	End	5605
GI	none	Score	104
Exons	5200..5313, 5219..5314, 5323..5430, 5351..5425, 5501..5605, 5508..5585		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24546	Strand	+
Start	9927	End	13446
Name	OJ990430_26.9B12.C3.o3.gs	Method	GENSCAN
Start	9927	End	13446
GI	none	Score	.89
Exons	9927..9965, 10055..10121, 10732..10895, 11098..11254, 11861..11975, 12029..12166, 12892..12966, 13398..13446		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24546	Strand	+
Start	9927	End	13446
Name	OJ990430_26.9B12.C3.o4.np	Method	AAT/NAP
Start	10171	End	12747
GI	5922620	Score	343
Exons	10171..10322, 10371..10420, 10889..11271, 12531..12747		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24546	Strand	+
Start	9927	End	13446
Name	OJ990430_26.9B12.C3.o2.gp	Method	AAT/GAP
Start	12543	End	12974
GI	LIB3479-006-Q6-K1-B11	Score	634
Exons	12543..12974		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24547	Strand	-
Start	1680	End	9897
Name	OJ990430_26.9B12.C3.o1.gp	Method	AAT/GAP
Start	1642	End	3208
GI	60901_2.R1084	Score	1094
Exons	1642..1767, 2198..2289, 2401..2454, 2598..2700, 2818..2892, 2989..3208		
GI Descrip.	'3046731/emb|CAA06503| 1.0e-52 (AJ005373) protein kinase [Craterostigma plantagineum]'		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24547	Strand	-
Start	1680	End	9897
Name	OJ990430_26.9B12.C3.o1.np	Method	AAT/NAP
Start	1673	End	3108
GI	3046731	Score	699
Exons	1673..1765, 2197..2289, 2401..2454, 2599..2700, 2818..2892, 2989..3108		

GI Descrip. (AJ005373) protein kinase [Craterostigma plantagineum]

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24547	Strand	-
Start	1680	End	9897
Name	OJ990430_26.9B12.C3.o1.gs	Method	GENSCAN
Start	1680	End	5632
GI	none	Score	.59
Exons	1680..1827, 1920..1966, 2197..2289, 2599..2700, 2818..2892, 2989..3189, 3637..3696, 4183..4347, 4922..5229, 5515..5632		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24547	Strand	-
Start	1680	End	9897
Name	OJ990430_26.9B12.C3.o2.np	Method	AAT/NAP
Start	2604	End	9897
GI	6539570	Score	209
Exons	2604..2716, 3985..4327, 4937..5159, 9450..9529, 9703..9897		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24548	Strand	-
Start	10032	End	11376
Name	OJ990430_26.9B12.C3.o3.np	Method	AAT/NAP
Start	10032	End	11376
GI	6630699	Score	88
Exons	10032..10118, 11220..11376		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24549	Strand	-
Start	12886	End	14230
Name	OJ990430_26.9B12.C3.o5.np	Method	AAT/NAP
Start	12886	End	14230
GI	6630699	Score	88
Exons	12886..12963, 14210..14230		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24550	Strand	-
Start	15670	End	19490
Name	OJ990430_26.9B12.C3.o3.gp	Method	AAT/GAP
Start	15268	End	16157
GI	none	Score	1719
Exons	15268..16157		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24550	Strand	-
Start	15670	End	19490
Name	OJ990430_26.9B12.C3.o4.gs	Method	GENSCAN
Start	15670	End	19346
GI	none	Score	.84
Exons	15670..16892, 16980..17124, 17504..17688, 17725..17872,		

18692..18778, 18933..19131, 19261..19346

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24550	Strand	-
Start	15670	End	19490
Name	OJ990430_26.9B12.C3.o7.np	Method	AAT/NAP
Start	17504	End	19340
GI	2160164	Score	152
Exons	17504..17855, 18910..19131, 19261..19340		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24550	Strand	-
Start	15670	End	19490
Name	OJ990430_26.9B12.C3.o4.gp	Method	AAT/GAP
Start	19124	End	19490
GI	uC-osflcyp106d01b1	Score	699
Exons	19124..19490		
GI Descrip.	'629688/pir||S46210 3.0e-29 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-
Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o1.tc	Method	TBLASTX:Cress
Start	1667	End	3124
GI	none	Score	127
Exons	1667..1786, 1674..1766, 2098..2163, 2188..2295, 2197..2289, 2198..2290, 2396..2470, 2401..2454, 2594..2701, 2599..2700, 2815..2895, 2816..2893, 2986..3108, 2986..3123, 2990..3124		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-
Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	1667	End	3239
GI	none	Score	107
Exons	1667..1786, 1677..1766, 2188..2295, 2198..2296, 2204..2305, 2396..2470, 2401..2454, 2599..2700, 2600..2701, 2815..2895, 2816..2893, 2986..3117, 2996..3118, 3186..3239		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-
Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	1667	End	3136
GI	none	Score	158
Exons	1667..1786, 1674..1766, 1675..1821, 1695..1820, 2188..2289, 2197..2289, 2201..2305, 2396..2470, 2401..2454, 2594..2617, 2599..2703, 2599..2700, 2678..2701, 2810..2893, 2815..2895, 2816..2893, 2818..2898, 2986..3120, 2990..3109, 3005..3136, 3006..3125		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-

Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o3.tw	Method	TBLASTX:Wheat
Start	2188	End	2457
GI	none	Score	66
Exons	2188..2289, 2197..2289, 2198..2290, 2396..2452, 2401..2457, 2401..2454		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-
Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	2599	End	3105
GI	none	Score	109
Exons	2599..2700, 2600..2701, 2813..2893, 2815..2895, 2815..2895, 2986..3105, 2996..3097, 3007..3099		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-
Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o3.tm	Method	TBLASTX:Maize
Start	15953	End	16302
GI	none	Score	63
Exons	15953..15982, 16002..16094, 16006..16092, 16096..16149, 16147..16302, 16192..16302		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-
Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o2.tw	Method	TBLASTX:Wheat
Start	17071	End	17780
GI	none	Score	66
Exons	17071..17127, 17079..17177, 17504..17719, 17504..17776, 17512..17772, 17670..17780		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-
Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o2.tm	Method	TBLASTX:Maize
Start	17755	End	19400
GI	none	Score	102
Exons	17755..17862, 17765..17863, 17768..17875, 17769..17867, 18671..18775, 18923..19027, 18924..19061, 18933..19085, 18937..19086, 19084..19134, 19086..19130, 19257..19310, 19258..19311, 19359..19400		

Seq. No.	11574	Seq. ID	OJ990430_26.9B12.C3
Gene No.	24551	Strand	-
Start	21259	End	22445
Name	OJ990430_26.9B12.C3.o5.gs	Method	GENSCAN
Start	21259	End	22445
GI	none	Score	.64
Exons	21259..21387, 22383..22445.		

Seq. No.	11575	Seq. ID	OJ990430_26.9B12.C5
Gene No.	24552	Strand	+
Start	1	End	867
Name	OJ990430_26.9B12.C5.o1.np	Method	AAT/NAP

Start	1	End	867
GI	2924777	Score	428
Exons	1..867		
GI Descrip.	(AC002334) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	11575	Seq. ID	OJ990430_26.9B12.C5
Gene No.	24552	Strand	+
Start	1	End	867
Name	OJ990430_26.9B12.C5.o1.ts	Method	TBLASTX:Soybean
Start	3	End	752
GI	none	Score	71
Exons	3..116, 54..200, 57..521, 57..521, 75..482, 78..521, 93..521, 150..539, 213..611, 257..541, 516..704, 516..704, 522..635, 522..704, 522..704, 522..704, 522..704, 542..703, 633..752		

Seq. No.	11575	Seq. ID	OJ990430_26.9B12.C5
Gene No.	24552	Strand	+
Start	1	End	867
Name	OJ990430_26.9B12.C5.o1.tc	Method	TBLASTX:Cress
Start	54	End	773
GI	none	Score	262
Exons	54..521, 57..269, 57..512, 57..521, 75..410, 75..521, 75..410, 78..215, 87..539, 93..521, 147..521, 231..521, 257..487, 303..503, 363..521, 375..560, 414..485, 501..704, 504..704, 516..704, 516..704, 522..704, 522..704, 522..704, 522..704, 522..773, 636..770		

Seq. No.	11575	Seq. ID	OJ990430_26.9B12.C5
Gene No.	24552	Strand	+
Start	1	End	867
Name	OJ990430_26.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	57	End	767
GI	none	Score	77
Exons	57..197, 75..446, 108..767, 308..487		

Seq. No.	11575	Seq. ID	OJ990430_26.9B12.C5
Gene No.	24552	Strand	+
Start	1	End	867
Name	OJ990430_26.9B12.C5.o1.tw	Method	TBLASTX:Wheat
Start	57	End	704
GI	none	Score	114
Exons	57..254, 75..326, 78..398, 216..515, 257..532, 522..701, 522..689, 579..704		

Seq. No.	11575	Seq. ID	OJ990430_26.9B12.C5
Gene No.	24552	Strand	+
Start	1	End	867
Name	OJ990430_26.9B12.C5.o1.gs	Method	GENSCAN
Start	60	End	807
GI	none	Score	.72
Exons	60..807		

Seq. No.	11576	Seq. ID	OJ990430_26.9B12.C6
Gene No.	24553	Strand	-
Start	1	End	1314
Name	OJ990430_26.9B12.C6.o1.np	Method	AAT/NAP

Start	1	End	1314
GI	3894387	Score	541
Exons	1..38, 445..1314		
GI Descrip.	(AF053995) Hcr2-0B [Lycopersicon esculentum]		

Seq. No.	11576	Seq. ID	OJ990430_26.9B12.C6
Gene No.	24553	Strand	-
Start	1	End	1314
Name	OJ990430_26.9B12.C6.o1.gs	Method	GENSCAN
Start	473	End	1004
GI	none	Score	.47
Exons	473..691, 707..1004		

Seq. No.	11576	Seq. ID	OJ990430_26.9B12.C6
Gene No.	24553	Strand	-
Start	1	End	1314
Name	OJ990430_26.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	504	End	1314
GI	none	Score	120
Exons	504..854, 694..1047, 841..1068, 841..1050, 1063..1272, 1231..1314, 1247..1312		

Seq. No.	11576	Seq. ID	OJ990430_26.9B12.C6
Gene No.	24553	Strand	-
Start	1	End	1314
Name	OJ990430_26.9B12.C6.o1.tc	Method	TBLASTX:Cress
Start	549	End	1311
GI	none	Score	91
Exons	549..803, 552..854, 555..854, 621..1088, 625..996, 697..1017, 841..1221, 984..1139, 984..1139, 984..1223, 1231..1311		

Seq. No.	11576	Seq. ID	OJ990430_26.9B12.C6
Gene No.	24553	Strand	-
Start	1	End	1314
Name	OJ990430_26.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	555	End	1314
GI	none	Score	73
Exons	555..854, 555..854, 555..824, 573..917, 636..854, 640..852, 712..930, 751..1017, 823..969, 826..1071, 886..1113, 931..1140, 984..1223, 984..1139, 984..1112, 984..1223, 996..1280, 1111..1218, 1111..1281, 1223..1285, 1228..1311, 1231..1314, 1231..1311, 1252..1311		

Seq. No.	11577	Seq. ID	OJ990430_26.9B12.C7
Gene No.	24554	Strand	+
Start	5125	End	5275
Name	OJ990430_26.9B12.C7.o1.gp	Method	AAT/GAP
Start	5125	End	5275
GI	286806	Score	250
Exons	5125..5275		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	11577	Seq. ID	OJ990430_26.9B12.C7
Gene No.	24555	Strand	-
Start	1	End	1884
Name	OJ990430_26.9B12.C7.o1.np	Method	AAT/NAP

Start	1	End	1884
GI	3894393	Score	916
Exons	1..1275, 1325..1597, 1812..1884		
GI Descrip.	(AF053998) Hcr2-5D [Lycopersicon esculentum]		

Seq. No.	11577	Seq. ID	OJ990430_26.9B12.C7
Gene No.	24556	Strand	-
Start	5538	End	7038
Name	OJ990430_26.9B12.C7.o1.tc	Method	TBLASTX:Cress
Start	2	End	1382
GI	none	Score	62
Exons	2..244, 2..232, 2..178, 2..220, 5..235, 5..241, 5..241, 29..232, 38..232, 47..244, 59..235, 131..238, 240..611, 243..539, 246..971, 255..827, 270..686, 276..968, 399..938, 420..974, 421..645, 454..723, 459..953, 472..690, 564..974, 615..971, 619..786, 799..987, 880..978, 1029..1088, 1029..1088, 1029..1088, 1052..1219, 1052..1273, 1074..1223, 1094..1273, 1106..1219, 1326..1382		

Seq. No.	11577	Seq. ID	OJ990430_26.9B12.C7
Gene No.	24556	Strand	-
Start	5538	End	7038
Name	OJ990430_26.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	1273
GI	none	Score	46
Exons	2..241, 2..232, 5..241, 5..223, 35..178, 77..241, 186..611, 216..899, 232..360, 246..686, 294..971, 427..669, 490..726, 1039..1110, 1049..1219, 1052..1273, 1052..1219, 1095..1241		

Seq. No.	11577	Seq. ID	OJ990430_26.9B12.C7
Gene No.	24556	Strand	-
Start	5538	End	7038
Name	OJ990430_26.9B12.C7.o1.tw	Method	TBLASTX:Wheat
Start	2	End	1385
GI	none	Score	55
Exons	2..232, 18..146, 243..530, 243..470, 360..671, 438..767, 490..798, 504..815, 576..887, 651..959, 720..968, 1275..1385		

Seq. No.	11577	Seq. ID	OJ990430_26.9B12.C7
Gene No.	24556	Strand	-
Start	5538	End	7038
Name	OJ990430_26.9B12.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1394
GI	none	Score	70
Exons	2..235, 2..217, 2..157, 5..241, 5..229, 5..235, 6..218, 56..232, 56..226, 158..235, 234..350, 243..590, 255..536, 261..800, 261..662, 264..734, 265..360, 270..944, 270..680, 303..422, 315..938, 414..971, 414..824, 427..855, 427..651, 489..896, 591..710, 606..971, 633..968, 651..971, 663..782, 702..944, 841..984, 922..1077, 1094..1264, 1094..1219, 1094..1213, 1107..1214, 1272..1394, 1287..1385		

Seq. No.	11577	Seq. ID	OJ990430_26.9B12.C7
Gene No.	24556	Strand	-
Start	5538	End	7038
Name	OJ990430_26.9B12.C7.o3.np	Method	AAT/NAP
Start	5538	End	6557

GI	82486	Score	185
Exons	5538..5657, 6428..6557		
GI Descrip.	hypothetical protein 3 - rice gi|20381|emb|CAA29824| (X06611) put. ORF 1 [Oryza sativa]		
Seq. No.	11577	Seq. ID	OJ990430_26.9B12.C7
Gene No.	24556	Strand	-
Start	5538	End	7038
Name	OJ990430_26.9B12.C7.o2.np	Method	AAT/NAP
Start	6253	End	7038
GI	133443	Score	110
Exons	6253..6401, 6979..7038		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66987|pir||RNZMB2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - maize chloroplast gi|12482|emb|CAA35197| (X17318) RNA polymerase beta-2 subunit (AA 1-1527) [Zea mays] gi|902214|emb|CAA60278| (X86563) RNA polymerase beta' subunit-2 [Zea mays]		
Seq. No.	11578	Seq. ID	OJ990430_26.9B12.C8
Gene No.	24557	Strand	-
Start	383	End	1026
Name	OJ990430_26.9B12.C8.o1.np	Method	AAT/NAP
Start	383	End	1026
GI	5734762	Score	76
Exons	383..863, 991..1026		
GI Descrip.	(AC007651) Similar to leucine-rich receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	11578	Seq. ID	OJ990430_26.9B12.C8
Gene No.	24557	Strand	-
Start	383	End	1026
Name	OJ990430_26.9B12.C8.o1.gs	Method	GENSCAN
Start	518	End	874
GI	none	Score	.81
Exons	518..874		
Seq. No.	11578	Seq. ID	OJ990430_26.9B12.C8
Gene No.	24557	Strand	-
Start	383	End	1026
Name	OJ990430_26.9B12.C8.o1.ts	Method	TBLASTX:Soybean
Start	566	End	886
GI	none	Score	58
Exons	566..766, 749..886, 779..868		
Seq. No.	11579	Seq. ID	OJ990430_26.9B12.C9
Gene No.	24558	Strand	-
Start	358	End	593
Name	OJ990430_26.9B12.C9.o1.gs	Method	GENSCAN
Start	358	End	593
GI	none	Score	.54
Exons	358..593		
Seq. No.	11580	Seq. ID	OJ990430_26.9B12.C10
Gene No.	24559	Strand	+
Start	8655	End	8716
Name	OJ990430_26.9B12.C10.o2.gp	Method	AAT/GAP
Start	8655	End	8716

GI	none	Score	95
Exons	8655..8716		
Seq. No.	11580	Seq. ID	OJ990430_26.9B12.C10
Gene No.	24560	Strand	-
Start	128	End	524
Name	OJ990430_26.9B12.C10.o1.gp	Method	AAT/GAP
Start	128	End	524
GI	none	Score	762
Exons	128..524		
Seq. No.	11580	Seq. ID	OJ990430_26.9B12.C10
Gene No.	24561	Strand	-
Start	2513	End	4967
Name	OJ990430_26.9B12.C10.o2.gs	Method	GENSCAN
Start	2513	End	4967
GI	none	Score	.44
Exons	2513..2700, 3093..3183, 4721..4849, 4923..4967		
Seq. No.	11580	Seq. ID	OJ990430_26.9B12.C10
Gene No.	24562	Strand	-
Start	7274	End	8210
Name	OJ990430_26.9B12.C10.o3.gs	Method	GENSCAN
Start	7274	End	8210
GI	none	Score	.63
Exons	7274..7401, 8042..8210		
Seq. No.	11580	Seq. ID	OJ990430_26.9B12.C10
Gene No.	24563	Strand	-
Start	8722	End	9095
Name	OJ990430_26.9B12.C10.o3.gp	Method	AAT/GAP
Start	8722	End	9095
GI	90805_1.R1084	Score	583
Exons	8722..9095		
GI Descrip.	'5091616/gb|AAD39604.1|AC007454_3 2.0e-30 (AC007454) F23M19.3 [Arabidopsis thaliana]'		
Seq. No.	11580	Seq. ID	OJ990430_26.9B12.C10
Gene No.	24564	Strand	-
Start	10551	End	11264
Name	OJ990430_26.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	135	End	422
GI	none	Score	91
Exons	135..350, 199..255, 204..275, 330..422		
Seq. No.	11580	Seq. ID	OJ990430_26.9B12.C10
Gene No.	24564	Strand	-
Start	10551	End	11264
Name	OJ990430_26.9B12.C10.o4.gs	Method	GENSCAN
Start	10551	End	11264
GI	none	Score	.61
Exons	10551..10698, 10911..11052, 11147..11264		
Seq. No.	11580	Seq. ID	OJ990430_26.9B12.C10
Gene No.	24564	Strand	-
Start	10551	End	11264
Name	OJ990430_26.9B12.C10.o2.tm	Method	TBLASTX:Maize

Start	10913	End	11216
GI	none	Score	185
Exons	10913..11050, 10929..11099, 11166..11216		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24565	Strand	+
Start	10148	End	11326
Name	OJ990430_26.9B12.C11.o3.gs	Method	GENSCAN
Start	10148	End	11326
GI	none	Score	.8
Exons	10148..10217, 10395..10528, 10551..10735, 10818..11326		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o5.tm	Method	TBLASTX:Maize
Start	1557	End	1928
GI	none	Score	88
Exons	1557..1676, 1698..1928		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o1.gp	Method	AAT/GAP
Start	3604	End	7170
GI	none	Score	818
Exons	3604..3736, 4802..4923, 5010..5132, 7108..7170		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o1.np	Method	AAT/NAP
Start	5593	End	8458
GI	5263323	Score	853
Exons	5593..5751, 6385..6543, 7108..7318, 7780..8458		
GI Descrip.	(AC007727) Similar to gb|U96710 8-oxoguanine DNA-glycosylase from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o2.gs	Method	GENSCAN
Start	6313	End	9831
GI	none	Score	.45
Exons	6313..6543, 7108..7318, 7780..8683, 8883..9831		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o2.ts	Method	TBLASTX:Soybean
Start	6328	End	7143
GI	none	Score	72
Exons	6328..6546, 6428..6541, 7105..7143		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359

Name	OJ990430_26.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	6337	End	7937
GI	none	Score	174
Exons	6337..6546, 6373..6546, 7105..7320, 7106..7324, 7106..7321, 7769..7855, 7769..7912, 7776..7937, 7779..7937		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o2.np	Method	AAT/NAP
Start	7908	End	11359
GI	5734762	Score	731
Exons	7908..7979, 8254..8662, 8883..10253, 11327..11359		
GI Descrip.	(AC007651) Similar to leucine-rich receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o4.tm	Method	TBLASTX:Maize
Start	8079	End	8354
GI	none	Score	231
Exons	8079..8354, 8161..8340		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o2.gp	Method	AAT/GAP
Start	8114	End	8606
GI	none	Score	918
Exons	8114..8606		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o2.tm	Method	TBLASTX:Maize
Start	8583	End	9219
GI	none	Score	147
Exons	8583..8663, 8884..9099, 8885..9088, 9103..9219, 9104..9217		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o2.tc	Method	TBLASTX:Cress
Start	8592	End	10275
GI	none	Score	36
Exons	8592..8663, 9643..9777, 9701..9793, 9709..9891, 9709..9891, 9709..9897, 9709..9894, 9709..9891, 9709..9897, 9709..9897, 9853..10038, 9892..10275, 9892..10254, 9892..10257, 9892..10185, 9892..10254, 9892..10254, 9902..10159, 9910..10083, 9928..9999, 9931..10257, 9935..10255, 10003..10254		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o1.ts	Method	TBLASTX:Soybean
Start	8610	End	10239

GI	none	Score	217
Exons	8610..8663, 8884..9270, 8885..9253, 8989..9255, 9271..9447, 9302..9454, 9613..9777, 9620..9769, 9718..9876, 9784..9891, 9907..10083, 10009..10167, 10126..10239		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o1.tc	Method	TBLASTX:Cress
Start	8873	End	9270
GI	none	Score	262
Exons	8873..9253, 8881..9270		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o1.tw	Method	TBLASTX:Wheat
Start	8923	End	9261
GI	none	Score	61
Exons	8923..9261, 8951..9244		

Seq. No.	11581	Seq. ID	OJ990430_26.9B12.C11
Gene No.	24566	Strand	-
Start	3604	End	11359
Name	OJ990430_26.9B12.C11.o3.tm	Method	TBLASTX:Maize
Start	9646	End	10233
GI	none	Score	141
Exons	9646..10083, 9709..9891, 9709..9867, 9874..10233, 10003..10185		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24567	Strand	+
Start	358	End	758
Name	OJ990430_26.9B12.C12.o1.gs	Method	GENSCAN
Start	358	End	758
GI	none	Score	.73
Exons	358..404, 514..626, 655..758		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o3.ts	Method	TBLASTX:Soybean
Start	5106	End	5352
GI	none	Score	79
Exons	5106..5351, 5118..5285, 5218..5352		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o4.tc	Method	TBLASTX:Cress
Start	5130	End	5504
GI	none	Score	117
Exons	5130..5372, 5131..5337, 5364..5504		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o4.tm	Method	TBLASTX:Maize

Start	5130	End	5375
GI	none	Score	79
Exons	5130..5282, 5130..5375		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o1.np	Method	AAT/NAP
Start	5133	End	8493
GI	4263522	Score	949
Exons	5133..6451, 8469..8493		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o2.ts	Method	TBLASTX:Soybean
Start	5364	End	5870
GI	none	Score	381
Exons	5364..5870		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o2.tm	Method	TBLASTX:Maize
Start	5379	End	6497
GI	none	Score	121
Exons	5379..5876, 5470..5859, 5868..6128, 5868..6161, 5937..6161, 5961..6131, 6030..6149, 6189..6266, 6201..6449, 6276..6446, 6378..6497		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o5.tc	Method	TBLASTX:Cress
Start	5523	End	5855
GI	none	Score	103
Exons	5523..5855, 5535..5840, 5536..5850		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o3.tw	Method	TBLASTX:Wheat
Start	5829	End	6464
GI	none	Score	43
Exons	5829..5867, 5830..5865, 5868..6146, 5880..6005, 5890..5955, 6073..6135, 6180..6308, 6193..6234, 6198..6464		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o3.tc	Method	TBLASTX:Cress
Start	5868	End	6482
GI	none	Score	91
Exons	5868..5954, 5880..6098, 5973..6140, 5973..6149, 5991..6161, 6165..6458, 6201..6266, 6276..6482, 6285..6461		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o4.ts	Method	TBLASTX:Soybean
Start	5871	End	6470
GI	none	Score	68
Exons	5871..6062, 5878..5988, 5889..6056, 6066..6131, 6198..6380, 6378..6470		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o3.gs	Method	GENSCAN
Start	7362	End	11536
GI	none	Score	.75
Exons	7362..7384, 7935..8208, 8305..8479, 9370..9536, 9623..9757, 9917..10069, 10150..10238, 10481..10585, 10695..10887, 11435..11536		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o1.gp	Method	AAT/GAP
Start	7391	End	7869
GI	none	Score	913
Exons	7391..7869		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o1.ts	Method	TBLASTX:Soybean
Start	7781	End	10887
GI	none	Score	84
Exons	7781..7849, 7786..7854, 7787..7855, 7906..8133, 7916..8209, 7959..8216, 8069..8215, 8119..8223, 8169..8222, 8296..8619, 8300..8680, 8302..8679, 8762..8866, 8762..8866, 8764..8874, 9369..9533, 9369..9536, 9370..9537, 9370..9540, 9443..9541, 9614..9760, 9618..9761, 9651..9752, 9914..10069, 9921..10070, 9924..10070, 9925..10071, 9973..10095, 10147..10215, 10312..10332, 10465..10539, 10473..10583, 10483..10581, 10699..10785, 10700..10780, 10777..10887, 10778..10879		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	7786	End	10224
GI	none	Score	76
Exons	7786..7854, 7787..7855, 7906..8133, 7916..8209, 8072..8209, 8113..8223, 8185..8211, 8296..8601, 8300..8680, 8302..8679, 8762..8866, 8762..8866, 8764..8874, 9368..9535, 9369..9533, 9369..9536, 9370..9537, 9614..9760, 9651..9752, 9914..10069, 9917..10066, 9918..10070, 9918..10070, 10147..10224, 10158..10220		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-

Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o2.np	Method	AAT/NAP
Start	7789	End	11524
GI	1931647	Score	2272
Exons	7789..7853, 7935..8208, 8305..8678, 8772..8866, 9370..9536, 9623..9757, 9917..10069, 10150..10249, 10474..10585, 10695..10887, 11435..11524		
GI Descrip.	(U95973) endomembrane protein EMP70 precusor isolog [Arabidopsis thaliana]		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o1.tc	Method	TBLASTX:Cress
Start	7811	End	8527
GI	none	Score	35
Exons	7811..7840, 7906..8133, 7934..8209, 8066..8215, 8113..8223, 8302..8523, 8303..8527		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	8323	End	8640
GI	none	Score	398
Exons	8323..8640, 8324..8635		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o2.tc	Method	TBLASTX:Cress
Start	8615	End	10890
GI	none	Score	49
Exons	8615..8680, 8617..8679, 8768..8863, 8770..8874, 8770..8874, 9369..9536, 9370..9537, 9614..9760, 9651..9758, 9914..10069, 9917..10072, 9918..10073, 10147..10251, 10160..10246, 10312..10359, 10473..10583, 10483..10581, 10699..10803, 10699..10887, 10704..10889, 10843..10890		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o2.tw	Method	TBLASTX:Wheat
Start	9369	End	10066
GI	none	Score	179
Exons	9369..9536, 9370..9537, 9434..9568, 9614..9760, 9651..9752, 9680..9760, 9914..10066, 9918..10058, 9919..10065		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o2.gp	Method	AAT/GAP
Start	10204	End	11581
GI	uC-osrocyp007f09b1	Score	896
Exons	10204..10238, 10481..10585, 10695..10887, 11435..11581		
GI Descrip.	'1931647 2.0e-36 (U95973) endomembrane protein EMP70 precusor isolog [Arabidopsis thaliana]'		

Seq. No.	11582	Seq. ID	OJ990430_26.9B12.C12
Gene No.	24568	Strand	-
Start	5133	End	11581
Name	OJ990430_26.9B12.C12.o3.tm	Method	TBLASTX:Maize
Start	10459	End	10887
GI	none	Score	92
Exons	10459..10581, 10472..10582, 10473..10583, 10483..10581, 10694..10864, 10699..10887, 10701..10868		

Seq. No.	11583	Seq. ID	OJ990430_26.9B12.C13
Gene No.	24569	Strand	+
Start	42	End	3069
Name	OJ990430_26.9B12.C13.o1.gs	Method	GENSCAN
Start	42	End	3069
GI	none	Score	.7
Exons	42..44, 1714..1903, 2514..2636, 2999..3069		

Seq. No.	11583	Seq. ID	OJ990430_26.9B12.C13
Gene No.	24570	Strand	-
Start	4902	End	7809
Name	OJ990430_26.9B12.C13.o1.gp	Method	AAT/GAP
Start	4669	End	5551
GI	54683_1.R1084	Score	1498
Exons	4669..5393, 5473..5551		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	11583	Seq. ID	OJ990430_26.9B12.C13
Gene No.	24570	Strand	-
Start	4902	End	7809
Name	OJ990430_26.9B12.C13.o2.gs	Method	GENSCAN
Start	4902	End	7497
GI	none	Score	.79
Exons	4902..5393, 5473..5616, 5916..6005, 6115..6314, 7232..7390, 7455..7497		

Seq. No.	11583	Seq. ID	OJ990430_26.9B12.C13
Gene No.	24570	Strand	-
Start	4902	End	7809
Name	OJ990430_26.9B12.C13.o1.np	Method	AAT/NAP
Start	4905	End	7809
GI	4519673	Score	793
Exons	4905..5344, 5442..5616, 5916..6005, 6115..6314, 7604..7662, 7786..7809		
GI Descrip.	(AB017694) WREBP-2 [Nicotiana tabacum]		

Seq. No.	11583	Seq. ID	OJ990430_26.9B12.C13
Gene No.	24570	Strand	-
Start	4902	End	7809
Name	OJ990430_26.9B12.C13.o1.ts	Method	TBLASTX:Soybean
Start	5160	End	7802
GI	none	Score	71
Exons	5160..5282, 5184..5282, 5193..5282, 5194..5283, 5195..5293, 5196..5273, 5211..5282, 5225..5293, 5326..5346, 5473..5619, 5473..5619, 5479..5571, 5904..6008, 5916..5984, 5920..6006, 6097..6156, 6106..6258, 6115..6318, 6115..6153, 6125..6319,		

6142..6246, 6148..6228, 6157..6231, 7608..7661, 7785..7802

Seq. No.	11583	Seq. ID	OJ990430_26.9B12.C13
Gene No.	24570	Strand	-
Start	4902	End	7809
Name	OJ990430_26.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	5184	End	7667
GI	none	Score	37
Exons	5184..5282, 5211..5282, 5268..5387, 5353..5388, 5473..5619, 5474..5617, 5479..5619, 5904..6008, 5915..6013, 5917..6006, 6097..6156, 6109..6315, 6111..6317, 6115..6315, 6116..6316, 6142..6246, 6157..6231, 7603..7665, 7605..7667, 7605..7667		

Seq. No.	11583	Seq. ID	OJ990430_26.9B12.C13
Gene No.	24570	Strand	-
Start	4902	End	7809
Name	OJ990430_26.9B12.C13.o2.gp	Method	AAT/GAP
Start	5946	End	7809
GI	uC-osroM202007h05b1	Score	622
Exons	5946..6005, 6115..6314, 7604..7662, 7786..7809		
GI Descrip.	'4519673/dbj|BAA75685.1| 6.0e-48 (AB017694) WREBP-2 [Nicotiana tabacum]'		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24571	Strand	+
Start	895	End	1687
Name	OJ990430_26.9B12.C14.o1.gs	Method	GENSCAN
Start	895	End	1687
GI	none	Score	.47
Exons	895..939, 1035..1104, 1551..1687		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24572	Strand	+
Start	10285	End	10731
Name	OJ990430_26.9B12.C14.o3.gs	Method	GENSCAN
Start	10285	End	10731
GI	none	Score	.92
Exons	10285..10731		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24573	Strand	-
Start	4035	End	10908
Name	OJ990430_26.9B12.C14.o2.gs	Method	GENSCAN
Start	4035	End	9383
GI	none	Score	.71
Exons	4035..5255, 5382..5591, 5597..6410, 6516..7216, 7254..7374, 7519..9383		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24573	Strand	-
Start	4035	End	10908
Name	OJ990430_26.9B12.C14.o1.np	Method	AAT/NAP
Start	4038	End	7144
GI	6630685	Score	4583
Exons	4038..6785, 7073..7144		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24573	Strand	-
Start	4035	End	10908
Name	OJ990430_26.9B12.C14.o2.np	Method	AAT/NAP
Start	7180	End	10908
GI	4416301	Score	548
Exons	7180..7216, 7818..8495, 8529..9340, 10884..10908		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24573	Strand	-
Start	4035	End	10908
Name	OJ990430_26.9B12.C14.o3.np	Method	AAT/NAP
Start	7617	End	10600
GI	3645898	Score	562
Exons	7617..7831, 7917..9340, 10515..10600		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	3982	End	4712
GI	none	Score	603
Exons	3982..4704, 3982..4221, 4008..4712		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o2.ts	Method	TBLASTX:Soybean
Start	4053	End	4694
GI	none	Score	90
Exons	4053..4286, 4305..4694, 4306..4470, 4311..4682		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o2.tc	Method	TBLASTX:Cress
Start	4056	End	4511
GI	none	Score	85
Exons	4056..4268, 4108..4275, 4287..4421, 4425..4511		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o5.tw	Method	TBLASTX:Wheat
Start	4089	End	4556
GI	none	Score	65
Exons	4089..4277, 4102..4218, 4104..4271, 4296..4556, 4321..4401		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o3.tm	Method	TBLASTX:Maize
Start	4828	End	5262

GI	none	Score	447
Exons	4828..5262, 4828..5259, 4830..5261		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	5065	End	5672
GI	5509260	Score	284
Exons	5065..5448, 5067..5447, 5442..5537, 5457..5612, 5603..5671, 5619..5672		
GI Descrip.	-		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o2.tw	Method	TBLASTX:Wheat
Start	5073	End	5547
GI	none	Score	174
Exons	5073..5423, 5079..5426, 5092..5424, 5281..5436, 5428..5463, 5457..5531, 5458..5547		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o5.tm	Method	TBLASTX:Maize
Start	5382	End	5696
GI	none	Score	254
Exons	5382..5606, 5383..5631, 5383..5607, 5597..5695, 5613..5696		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o2.tm	Method	TBLASTX:Maize
Start	5705	End	6577
GI	none	Score	45
Exons	5705..6505, 5787..5828, 5832..6572, 6506..6577		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o3.tw	Method	TBLASTX:Wheat
Start	5810	End	6154
GI	none	Score	56
Exons	5810..5890, 5890..6057, 5901..6065, 5912..6076, 6065..6154, 6078..6152		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o3.ts	Method	TBLASTX:Soybean
Start	5936	End	6397
GI	none	Score	104
Exons	5936..6397, 6020..6373, 6087..6377		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-

Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o1.tc	Method	TBLASTX:Cress
Start	5939	End	6361
GI	none	Score	230
Exons	5939..6361		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o1.tw	Method	TBLASTX:Wheat
Start	6242	End	6814
GI	none	Score	179
Exons	6242..6526, 6243..6530, 6511..6555, 6514..6642, 6537..6644, 6566..6814, 6582..6806		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o4.tm	Method	TBLASTX:Maize
Start	6578	End	6973
GI	none	Score	275
Exons	6578..6850, 6579..6854, 6845..6973, 6858..6965		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o6.tw	Method	TBLASTX:Wheat
Start	6881	End	7192
GI	none	Score	132
Exons	6881..7042, 7043..7192		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o6.tm	Method	TBLASTX:Maize
Start	6974	End	7311
GI	none	Score	117
Exons	6974..7036, 7040..7213, 7047..7208, 7233..7310, 7237..7311		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o4.ts	Method	TBLASTX:Soybean
Start	7052	End	9281
GI	none	Score	73
Exons	7052..7114, 7064..7207, 7218..7259, 8829..9170, 9174..9281		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o7.tm	Method	TBLASTX:Maize
Start	8724	End	9125
GI	none	Score	214
Exons	8724..9125		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-

Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o4.tw	Method	TBLASTX:Wheat
Start	8883	End	9275
GI	none	Score	62
Exons	8883..9275, 9183..9260		

Seq. No.	11584	Seq. ID	OJ990430_26.9B12.C14
Gene No.	24574	Strand	-
Start	11206	End	13216
Name	OJ990430_26.9B12.C14.o4.gs	Method	GENSCAN
Start	11206	End	13216
GI	none	Score	.48
Exons	11206..11284, 11742..11820, 11897..11942, 12308..12436, 12637..12732, 13132..13216		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24575	Strand	+
Start	263	End	4955
Name	OJ990430_26.9B12.C15.o1.gs	Method	GENSCAN
Start	263	End	4945
GI	none	Score	.79
Exons	263..529, 944..1052, 1164..1269, 1359..1451, 1545..1635, 2064..2157, 2654..2757, 3258..3374, 3456..3662, 4321..4604, 4681..4945		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24575	Strand	+
Start	263	End	4955
Name	OJ990430_26.9B12.C15.o1.np	Method	AAT/NAP
Start	263	End	4955
GI	5091616	Score	957
Exons	263..589, 944..1309, 2064..2160, 2257..2357, 2476..2545, 2654..2757, 3258..3374, 3456..3532, 3618..3662, 4321..4571, 4608..4698, 4744..4955		
GI Descrip.	(AC007454) F23M19.3 [Arabidopsis thaliana]		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24575	Strand	+
Start	263	End	4955
Name	OJ990430_26.9B12.C15.o1.gp	Method	AAT/GAP
Start	1556	End	2558
GI	426590	Score	601
Exons	1556..1635, 2064..2157, 2260..2357, 2476..2558		
GI Descrip.	5091616/gb|AAD39604.1|AC007454_3 2.0e-30 (AC007454) F23M19.3 [Arabidopsis thaliana]		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24576	Strand	-
Start	10593	End	11243
Name	OJ990430_26.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	955	End	2132
GI	none	Score	312
Exons	955..1224, 956..1270, 962..1252, 1356..1445, 1357..1452, 1543..1647, 1546..1638, 2061..2132, 2064..2123		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24576	Strand	-

Start	10593	End	11243
Name	OJ990430_26.9B12.C15.o1.ts	Method	TBLASTX:Soybean
Start	995	End	1452
GI	none	Score	243
Exons	995..1270, 997..1224, 998..1270, 1356..1451, 1357..1452		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24576	Strand	-
Start	10593	End	11243
Name	OJ990430_26.9B12.C15.o1.tw	Method	TBLASTX:Wheat
Start	2064	End	2535
GI	none	Score	113
Exons	2064..2180, 2261..2359, 2262..2360, 2476..2535		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24576	Strand	-
Start	10593	End	11243
Name	OJ990430_26.9B12.C15.o2.tm	Method	TBLASTX:Maize
Start	2258	End	2772
GI	none	Score	122
Exons	2258..2362, 2259..2360, 2473..2538, 2476..2538, 2638..2772, 2688..2768		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24576	Strand	-
Start	10593	End	11243
Name	OJ990430_26.9B12.C15.o3.tm	Method	TBLASTX:Maize
Start	3260	End	4450
GI	none	Score	122
Exons	3260..3352, 3261..3410, 3462..3533, 3466..3543, 3470..3532, 3612..3671, 3612..3668, 3616..3675, 4322..4414, 4324..4449, 4324..4446, 4346..4450		

Seq. No.	11585	Seq. ID	OJ990430_26.9B12.C15
Gene No.	24576	Strand	-
Start	10593	End	11243
Name	OJ990430_26.9B12.C15.o3.gs	Method	GENSCAN
Start	10593	End	11243
GI	none	Score	1
Exons	10593..11243		

Seq. No.	11586	Seq. ID	OJ990430_26.9B12.C16
Gene No.	24577	Strand	+
Start	165	End	222
Name	OJ990430_26.9B12.C16.o1.gs	Method	GENSCAN
Start	165	End	222
GI	none	Score	.72
Exons	165..222		

Seq. No.	11587	Seq. ID	OJ990410_22.9B12.C4
Gene No.	24578	Strand	+
Start	85	End	179
Name	OJ990410_22.9B12.C4.o1.gs	Method	GENSCAN
Start	85	End	179
GI	none	Score	.82
Exons	85..179		

Seq. No.	11587	Seq. ID	OJ990410_22.9B12.C4
Gene No.	24579	Strand	-
Start	560	End	732
Name	OJ990410_22.9B12.C4.o2.gs	Method	GENSCAN
Start	560	End	732
GI	none	Score	.87
Exons	560..732		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o1.np	Method	AAT/NAP
Start	1	End	3592
GI	6498441	Score	4085
Exons	1..636, 966..1429, 1493..1866, 2050..2184, 2359..3084, 3256..3592		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o3.tw	Method	TBLASTX:Wheat
Start	850	End	1336
GI	none	Score	419
Exons	850..1023, 851..1336, 1045..1305		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o1.tw	Method	TBLASTX:Wheat
Start	1500	End	1963
GI	none	Score	213
Exons	1500..1940, 1501..1956, 1502..1963		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o2.ts	Method	TBLASTX:Soybean
Start	1541	End	1906
GI	none	Score	104
Exons	1541..1765, 1772..1906		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	1631	End	1987
GI	none	Score	363
Exons	1631..1987, 1666..1977, 1871..1987		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o2.tm	Method	TBLASTX:Maize
Start	2014	End	2398

GI	none	Score	354
Exons	2014..2379, 2015..2398		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o2.tw	Method	TBLASTX:Wheat
Start	2071	End	2491
GI	none	Score	486
Exons	2071..2466, 2072..2491		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o1.ts	Method	TBLASTX:Soybean
Start	2150	End	2521
GI	none	Score	269
Exons	2150..2521, 2167..2310		

Seq. No.	11588	Seq. ID	OJ990410_22.9B12.C7
Gene No.	24580	Strand	+
Start	1	End	3592
Name	OJ990410_22.9B12.C7.o4.tw	Method	TBLASTX:Wheat
Start	2955	End	3390
GI	none	Score	81
Exons	2955..3056, 3040..3210, 3054..3197, 3229..3390, 3250..3375, 3252..3386		

Seq. No.	11589	Seq. ID	OJ990410_22.9B12.C8
Gene No.	24581	Strand	-
Start	117	End	308
Name	OJ990410_22.9B12.C8.o1.gs	Method	GENSCAN
Start	117	End	308
GI	none	Score	.65
Exons	117..308		

Seq. No.	11590	Seq. ID	OJ990410_22.9B12.C9
Gene No.	24582	Strand	+
Start	233	End	422
Name	OJ990410_22.9B12.C9.o1.gs	Method	GENSCAN
Start	233	End	422
GI	none	Score	.91
Exons	233..338, 412..422		

Seq. No.	11591	Seq. ID	OJ990410_22.9B12.C12
Gene No.	24583	Strand	+
Start	238	End	435
Name	OJ990410_22.9B12.C12.o1.np	Method	AAT/NAP
Start	238	End	435
GI	629688	Score	93
Exons	238..435		
GI Descrip.	dehydroquinase shikimate dehydrogenase - Common tobacco gi|535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]		

Seq. No.	11591	Seq. ID	OJ990410_22.9B12.C12
Gene No.	24583	Strand	+

Start	238	End	435
Name	OJ990410_22.9B12.C12.o1.gs	Method	GENSCAN
Start	324	End	389
GI	none	Score	.66
Exons	324..389		

Seq. No.	11591	Seq. ID	OJ990410_22.9B12.C12
Gene No.	24584	Strand	-
Start	232	End	435
Name	OJ990410_22.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	216	End	392
GI	none	Score	221
Exons	216..389, 249..392, 337..390		

Seq. No.	11591	Seq. ID	OJ990410_22.9B12.C12
Gene No.	24584	Strand	-
Start	232	End	435
Name	OJ990410_22.9B12.C12.o1.gp	Method	AAT/GAP
Start	232	End	435
GI	39479_1.R1084	Score	268
Exons	232..435		
GI Descrip.	'629688/pir||S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	11592	Seq. ID	OJ990410_22.9B12.C13
Gene No.	24585	Strand	-
Start	1	End	290
Name	OJ990410_22.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	281
GI	3169883	Score	86
Exons	1..281		
GI Descrip.	(AF033194) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum] gi|3169888 (AF034411) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum]		

Seq. No.	11592	Seq. ID	OJ990410_22.9B12.C13
Gene No.	24585	Strand	-
Start	1	End	290
Name	OJ990410_22.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	124	End	281
GI	none	Score	157
Exons	124..234, 132..272, 132..281		

Seq. No.	11592	Seq. ID	OJ990410_22.9B12.C13
Gene No.	24585	Strand	-
Start	1	End	290
Name	OJ990410_22.9B12.C13.o1.gp	Method	AAT/GAP
Start	132	End	290
GI	4968760	Score	218
Exons	132..290		
GI Descrip.	629688/pir||S46210 3.0e-29 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]		

Seq. No.	11592	Seq. ID	OJ990410_22.9B12.C13
Gene No.	24585	Strand	-
Start	1	End	290
Name	OJ990410_22.9B12.C13.o1.gs	Method	GENSCAN
Start	132	End	280
GI	none	Score	.57
Exons	132..280		

Seq. No.	11593	Seq. ID	OJ990410_22.9B12.C14
Gene No.	24586	Strand	-
Start	1	End	2281
Name	OJ990410_22.9B12.C14.o1.np	Method	AAT/NAP
Start	1	End	2281
GI	3169883	Score	570
Exons	1..28, 611..957, 1982..2281		
GI Descrip.	(AF033194) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum] gi|3169888 (AF034411) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum]		

Seq. No.	11593	Seq. ID	OJ990410_22.9B12.C14
Gene No.	24586	Strand	-
Start	1	End	2281
Name	OJ990410_22.9B12.C14.o1.gs	Method	GENSCAN
Start	611	End	2200
GI	none	Score	.73
Exons	611..852, 1982..2200		

Seq. No.	11593	Seq. ID	OJ990410_22.9B12.C14
Gene No.	24586	Strand	-
Start	1	End	2281
Name	OJ990410_22.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	611	End	2201
GI	none	Score	241
Exons	611..958, 613..960, 1970..2143, 1970..2200, 1980..2201		

Seq. No.	11593	Seq. ID	OJ990410_22.9B12.C14
Gene No.	24586	Strand	-
Start	1	End	2281
Name	OJ990410_22.9B12.C14.o1.tc	Method	TBLASTX:Cress
Start	611	End	876
GI	none	Score	127
Exons	611..874, 613..876		

Seq. No.	11593	Seq. ID	OJ990410_22.9B12.C14
Gene No.	24586	Strand	-
Start	1	End	2281
Name	OJ990410_22.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	640	End	2222
GI	none	Score	251
Exons	640..960, 641..961, 1980..2222, 1982..2200		

Seq. No.	11593	Seq. ID	OJ990410_22.9B12.C14
Gene No.	24586	Strand	-
Start	1	End	2281
Name	OJ990410_22.9B12.C14.o1.tw	Method	TBLASTX:Wheat

Start	661	End	2077
GI	none	Score	274
Exons	661..960, 665..961, 1980..2072, 1982..2077		

Seq. No.	11593	Seq. ID	OJ990410_22.9B12.C14
Gene No.	24586	Strand	-
Start	1	End	2281
Name	OJ990410_22.9B12.C14.o2.tc	Method	TBLASTX:Cress
Start	877	End	2206
GI	none	Score	101
Exons	877..966, 878..988, 890..979, 1970..2200, 1995..2201, 1997..2206		

Seq. No.	11594	Seq. ID	OJ990410_22.9B12.C15
Gene No.	24587	Strand	-
Start	1	End	198
Name	OJ990410_22.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	198
GI	1362060	Score	106
Exons	1..198		
GI Descrip.	dehydroquinase-shikimate dehydrogenase - garden pea		

Seq. No.	11594	Seq. ID	OJ990410_22.9B12.C15
Gene No.	24587	Strand	-
Start	1	End	198
Name	OJ990410_22.9B12.C15.o1.gs	Method	GENSCAN
Start	64	End	169
GI	none	Score	1
Exons	64..169		

Seq. No.	11595	Seq. ID	OJ990410_22.9B12.C20
Gene No.	24588	Strand	+
Start	527	End	1129
Name	OJ990410_22.9B12.C20.o1.gs	Method	GENSCAN
Start	527	End	1129
GI	none	Score	.53
Exons	527..587, 961..1031, 1061..1129		

Seq. No.	11596	Seq. ID	OJ990410_22.9B12.C23
Gene No.	24589	Strand	-
Start	270	End	686
Name	OJ990410_22.9B12.C23.o1.gs	Method	GENSCAN
Start	270	End	686
GI	none	Score	.72
Exons	270..686		

Seq. No.	11597	Seq. ID	OJ990410_22.9B12.C24
Gene No.	24590	Strand	+
Start	20	End	106
Name	OJ990410_22.9B12.C24.o1.gs	Method	GENSCAN
Start	20	End	106
GI	none	Score	.59
Exons	20..106		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o1.tm	Method	TBLASTX:Maize

Start	495	End	2280
GI	none	Score	89
Exons	495..593, 528..593, 529..594, 533..595, 684..983, 685..984, 685..948, 705..983, 1058..1192, 1090..1200, 1093..1197, 1095..1199, 1305..1514, 1306..1494, 1311..1505, 1596..1883, 1596..1883, 1597..1884, 2091..2279, 2092..2280, 2094..2279		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o1.tc	Method	TBLASTX:Cress
Start	516	End	1143
GI	none	Score	74
Exons	516..593, 523..594, 684..932, 685..993, 685..933, 705..986, 1090..1143, 1098..1139		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o1.tw	Method	TBLASTX:Wheat
Start	517	End	939
GI	none	Score	109
Exons	517..594, 521..598, 522..593, 683..934, 684..938, 685..939, 705..938		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o1.gs	Method	GENSCAN
Start	532	End	2278
GI	none	Score	.74
Exons	532..591, 685..877, 1058..1197, 1306..1500, 1597..1884, 2092..2278		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o1.ts	Method	TBLASTX:Soybean
Start	754	End	1404
GI	none	Score	326
Exons	754..948, 757..987, 759..974, 1090..1200, 1092..1196, 1305..1403, 1306..1404		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o1.np	Method	AAT/NAP
Start	850	End	2643
GI	4510385	Score	857
Exons	850..988, 1100..1197, 1306..1500, 1597..1884, 2092..2305, 2624..2643		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o1.gp	Method	AAT/GAP

Start	1297	End	2145
GI	uC-osflcyp142f05b1	Score	1010
Exons	1297..1500, 1597..1884, 2092..2145		
GI Descrip.	'4510385/gb|AAD21473.1| 6.0e-67 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o2.tc	Method	TBLASTX:Cress
Start	1303	End	1749
GI	none	Score	230
Exons	1303..1494, 1303..1500, 1305..1508, 1428..1505, 1596..1748, 1596..1748, 1597..1749		

Seq. No.	11598	Seq. ID	OJ990410_22.9B12.C28
Gene No.	24591	Strand	+
Start	532	End	2643
Name	OJ990410_22.9B12.C28.o2.ts	Method	TBLASTX:Soybean
Start	1406	End	2211
GI	none	Score	136
Exons	1406..1501, 1413..1514, 1414..1494, 1416..1505, 1595..1690, 1596..1691, 1596..1883, 1597..1887, 2098..2211		

Seq. No.	11599	Seq. ID	OJ990410_22.9B12.C32
Gene No.	24592	Strand	+
Start	1	End	490
Name	OJ990410_22.9B12.C32.o1.gp	Method	AAT/GAP
Start	1	End	490
GI	39479_1.R1084	Score	427
Exons	1..226, 471..490		
GI Descrip.	'629688/pir||S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	11600	Seq. ID	OJ990410_22.9B12.C33
Gene No.	24593	Strand	+
Start	359	End	857
Name	OJ990410_22.9B12.C33.o1.gs	Method	GENSCAN
Start	359	End	857
GI	none	Score	.67
Exons	359..401, 681..766, 798..857		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24594	Strand	+
Start	55	End	2569
Name	OJ990410_22.9B12.C34.o1.gs	Method	GENSCAN
Start	55	End	2569
GI	none	Score	.6
Exons	55..227, 808..832, 1576..1665, 1787..1861, 1978..2569		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24595	Strand	+
Start	4326	End	17433
Name	OJ990410_22.9B12.C34.o1.np	Method	AAT/NAP
Start	4326	End	8728

GI	4680203	Score	1673
Exons	4326..4379, 5634..7282, 7442..7670, 7947..8728		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24595	Strand	+
Start	4326	End	17433
Name	OJ990410_22.9B12.C34.o2.np	Method	AAT/NAP
Start	5693	End	12271
GI	4680204	Score	98
Exons	5693..5755, 9554..9661, 9831..9967, 12155..12271		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24595	Strand	+
Start	4326	End	17433
Name	OJ990410_22.9B12.C34.o4.gs	Method	GENSCAN
Start	10968	End	16672
GI	none	Score	.62
Exons	10968..10973, 11072..11152, 11231..11677, 11764..12369, 12397..12650, 12729..12899, 14033..14048, 14311..14592, 14874..14911, 14929..15085, 15598..15725, 15859..15991, 16409..16672		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24595	Strand	+
Start	4326	End	17433
Name	OJ990410_22.9B12.C34.o3.np	Method	AAT/NAP
Start	15816	End	17283
GI	6721512	Score	45
Exons	15816..15945, 17266..17283		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24595	Strand	+
Start	4326	End	17433
Name	OJ990410_22.9B12.C34.o4.np	Method	AAT/NAP
Start	16998	End	17074
GI	6630699	Score	63
Exons	16998..17074		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24595	Strand	+
Start	4326	End	17433
Name	OJ990410_22.9B12.C34.o5.gs	Method	GENSCAN
Start	17083	End	17433
GI	none	Score	.78
Exons	17083..17128, 17243..17433		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24596	Strand	+
Start	20469	End	20547
Name	OJ990410_22.9B12.C34.o6.np	Method	AAT/NAP
Start	20469	End	20547

GI	6630699	Score	78
Exons	20469..20547		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24597	Strand	+
Start	20678	End	22663
Name	OJ990410_22.9B12.C34.o7.np	Method	AAT/NAP
Start	20678	End	22663
GI	6539570	Score	222
Exons	20678..20880, 21038..21103, 22639..22663		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24598	Strand	+
Start	26187	End	26598
Name	OJ990410_22.9B12.C34.o1.gp	Method	AAT/GAP
Start	26187	End	26598
GI	none	Score	711
Exons	26187..26598		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24599	Strand	-
Start	9431	End	9958
Name	OJ990410_22.9B12.C34.o3.gs	Method	GENSCAN
Start	9431	End	9958
GI	none	Score	.94
Exons	9431..9958		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24600	Strand	-
Start	17213	End	20410
Name	OJ990410_22.9B12.C34.o5.np	Method	AAT/NAP
Start	17213	End	20410
GI	5922620	Score	411
Exons	17213..17354, 18771..18843, 18940..19124, 19174..19351, 20058..20211, 20367..20410		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24600	Strand	-
Start	17213	End	20410
Name	OJ990410_22.9B12.C34.o6.gs	Method	GENSCAN
Start	17818	End	20361
GI	none	Score	.55
Exons	17818..17874, 18505..18698, 19151..19395, 20103..20288, 20348..20361		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24601	Strand	-
Start	22755	End	23601

Name	OJ990410_22.9B12.C34.o8.gs	Method	GENSCAN
Start	22755	End	23601
GI	none	Score	.67
Exons	22755..22757, 23081..23183, 23570..23601		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o3.tw	Method	TBLASTX:Wheat
Start	5980	End	6528
GI	none	Score	238
Exons	5980..6396, 6069..6395, 6409..6528, 6432..6515		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o1.ts	Method	TBLASTX:Soybean
Start	6084	End	6389
GI	none	Score	88
Exons	6084..6338, 6105..6389, 6106..6387		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o1.tc	Method	TBLASTX:Cress
Start	6406	End	6756
GI	none	Score	322
Exons	6406..6756, 6414..6476, 6513..6731		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o2.ts	Method	TBLASTX:Soybean
Start	6406	End	6675
GI	none	Score	234
Exons	6406..6675, 6420..6674		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o2.tw	Method	TBLASTX:Wheat
Start	6544	End	7005
GI	none	Score	62
Exons	6544..6600, 6552..6608, 6588..6695, 6598..6702, 6709..6804, 6711..6791, 6850..7005, 6903..7004		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o1.tm	Method	TBLASTX:Maize
Start	6595	End	7044
GI	none	Score	219
Exons	6595..6801, 6601..6834, 6850..7044, 6879..7028		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338

Name	OJ990410_22.9B12.C34.o4.ts	Method	TBLASTX:Soybean
Start	6879	End	7113
GI	none	Score	220
Exons	6879..7040, 6880..7113, 6904..7104		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o3.tm	Method	TBLASTX:Maize
Start	7081	End	7413
GI	none	Score	48
Exons	7081..7179, 7249..7413, 7261..7404		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o1.tw	Method	TBLASTX:Wheat
Start	7584	End	8650
GI	none	Score	426
Exons	7584..8012, 7598..8002, 7701..8045, 7799..8020, 8026..8094, 8101..8301, 8127..8261, 8354..8407, 8422..8529, 8426..8530, 8531..8650		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o2.tm	Method	TBLASTX:Maize
Start	7595	End	7910
GI	none	Score	298
Exons	7595..7909, 7596..7910		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o2.tc	Method	TBLASTX:Cress
Start	7841	End	8265
GI	none	Score	152
Exons	7841..7948, 7845..8012, 8026..8094, 8101..8265		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o3.ts	Method	TBLASTX:Soybean
Start	8339	End	8587
GI	none	Score	234
Exons	8339..8587, 8341..8586		

Seq. No.	11601	Seq. ID	OJ990410_22.9B12.C34
Gene No.	24602	Strand	-
Start	26192	End	28338
Name	OJ990410_22.9B12.C34.o8.np	Method	AAT/NAP
Start	26192	End	28338
GI	5852093	Score	38
Exons	26192..26219, 27932..28037, 28268..28338		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35

Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o2.gp	Method	AAT/GAP
Start	130	End	2525
GI	342_1.R1084	Score	4038
Exons	130..2525		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o1.gs	Method	GENSCAN
Start	362	End	2473
GI	none	Score	.48
Exons	362..1730, 1863..2473		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o4.tw	Method	TBLASTX:Wheat
Start	476	End	827
GI	none	Score	103
Exons	476..583, 566..817, 574..816, 576..827		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o1.ts	Method	TBLASTX:Soybean
Start	749	End	1177
GI	none	Score	95
Exons	749..823, 824..886, 881..1177, 935..1159		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o1.tc	Method	TBLASTX:Cress
Start	910	End	1258
GI	none	Score	315
Exons	910..1062, 917..1258, 1102..1239		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o1.np	Method	AAT/NAP
Start	938	End	2525
GI	6742729	Score	2489
Exons	938..2525		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o2.tw	Method	TBLASTX:Wheat
Start	1046	End	1515
GI	none	Score	72
Exons	1046..1099, 1054..1098, 1100..1204, 1111..1200, 1208..1306,		

1213..1305, 1286..1510, 1306..1515, 1307..1510, 1309..1515

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o1.tm	Method	TBLASTX:Maize
Start	1091	End	1549
GI	none	Score	247
Exons	1091..1345, 1103..1345, 1355..1549		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o2.ts	Method	TBLASTX:Soybean
Start	1379	End	1621
GI	none	Score	204
Exons	1379..1621		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o3.tw	Method	TBLASTX:Wheat
Start	1610	End	2026
GI	none	Score	106
Exons	1610..1732, 1612..1755, 1729..1827, 1730..1930, 1742..1912, 1879..1929, 1940..2017, 1943..2026, 1951..2025		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o1.tw	Method	TBLASTX:Wheat
Start	2041	End	2521
GI	none	Score	590
Exons	2041..2520, 2042..2521		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o2.tm	Method	TBLASTX:Maize
Start	2084	End	2398
GI	none	Score	309
Exons	2084..2398, 2095..2397		

Seq. No.	11602	Seq. ID	OJ990410_22.9B12.C35
Gene No.	24603	Strand	+
Start	130	End	2525
Name	OJ990410_22.9B12.C35.o2.tc	Method	TBLASTX:Cress
Start	2325	End	2521
GI	none	Score	102
Exons	2325..2507, 2329..2484, 2329..2520, 2333..2521		

Seq. No.	11603	Seq. ID	OJ990410_22.9B12.C36
Gene No.	24604	Strand	+
Start	1	End	1596
Name	OJ990410_22.9B12.C36.o1.np	Method	AAT/NAP
Start	1	End	733
GI	4680203	Score	681

Exons	1..733		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	11603	Seq. ID	OJ990410_22.9B12.C36
Gene No.	24604	Strand	+
Start	1	End	1596
Name	OJ990410_22.9B12.C36.o2.gp	Method	AAT/GAP
Start	1	End	1596
GI	342_1.R1084	Score	2340
Exons	1..799, 835..854, 937..1034, 1144..1596		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	11603	Seq. ID	OJ990410_22.9B12.C36
Gene No.	24604	Strand	+
Start	1	End	1596
Name	OJ990410_22.9B12.C36.o1.gs	Method	GENSCAN
Start	89	End	727
GI	none	Score	.9
Exons	89..727		
Seq. No.	11603	Seq. ID	OJ990410_22.9B12.C36
Gene No.	24605	Strand	-
Start	373	End	790
Name	OJ990410_22.9B12.C36.o1.tw	Method	TBLASTX:Wheat
Start	2	End	679
GI	none	Score	231
Exons	2..280, 5..265, 275..319, 279..314, 322..375, 326..382, 364..504, 392..505, 394..513, 518..598, 587..679, 613..678		
Seq. No.	11603	Seq. ID	OJ990410_22.9B12.C36
Gene No.	24605	Strand	-
Start	373	End	790
Name	OJ990410_22.9B12.C36.o1.gp	Method	AAT/GAP
Start	373	End	790
GI	LIB3431-028-P1-N1-A10	Score	832
Exons	373..790		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	11604	Seq. ID	OJ990410_22.9B12.C37
Gene No.	24606	Strand	-
Start	268	End	597
Name	OJ990410_22.9B12.C37.o1.gs	Method	GENSCAN
Start	268	End	597
GI	none	Score	.74
Exons	268..429, 490..597		
Seq. No.	11605	Seq. ID	OJ990410_22.9B12.C39
Gene No.	24607	Strand	-
Start	1	End	608
Name	OJ990410_22.9B12.C39.o1.np	Method	AAT/NAP
Start	1	End	608
GI	2498930	Score	1046
Exons	1..608		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	11605	Seq. ID	OJ990410_22.9B12.C39
Gene No.	24607	Strand	-
Start	1	End	608
Name	OJ990410_22.9B12.C39.o1.gs	Method	GENSCAN
Start	9	End	548
GI	none	Score	.93
Exons	9..548		

Seq. No.	11606	Seq. ID	OJ990410_22.9B12.C40
Gene No.	24608	Strand	-
Start	1	End	140
Name	OJ990410_22.9B12.C40.o1.np	Method	AAT/NAP
Start	1	End	140
GI	2498930	Score	44
Exons	1..140		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	11606	Seq. ID	OJ990410_22.9B12.C40
Gene No.	24609	Strand	-
Start	81	End	140
Name	OJ990410_22.9B12.C40.o1.gs	Method	GENSCAN
Start	81	End	140
GI	none	Score	.94
Exons	81..140		

Seq. No.	11607	Seq. ID	OJ990410_22.9B12.C43
Gene No.	24610	Strand	+
Start	222	End	949
Name	OJ990410_22.9B12.C43.o1.gs	Method	GENSCAN
Start	222	End	949
GI	none	Score	.7
Exons	222..351, 842..949		

Seq. No.	11607	Seq. ID	OJ990410_22.9B12.C43
Gene No.	24611	Strand	-
Start	1	End	526
Name	OJ990410_22.9B12.C43.o1.np	Method	AAT/NAP
Start	1	End	526
GI	1076802	Score	118
Exons	1..526		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	11608	Seq. ID	OJ990410_22.9B12.C45
Gene No.	24612	Strand	-
Start	156	End	341
Name	OJ990410_22.9B12.C45.o1.gs	Method	GENSCAN
Start	156	End	341
GI	none	Score	.97
Exons	156..341		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24613	Strand	+
Start	1631	End	3685

Name	OJ990410_22.9B12.C48.o1.np	Method	AAT/NAP
Start	1631	End	3685
GI	6633813	Score	258
Exons	1631..1657, 3015..3483, 3569..3685		
GI Descrip.	(AC009519) F1N19.10 [Arabidopsis thaliana]		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24614	Strand	+
Start	5067	End	8502
Name	OJ990410_22.9B12.C48.o2.gs	Method	GENSCAN
Start	5067	End	8502
GI	none	Score	.85
Exons	5067..5083, 6633..6913, 6925..7114, 8103..8502		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24614	Strand	+
Start	5067	End	8502
Name	OJ990410_22.9B12.C48.o2.np	Method	AAT/NAP
Start	6869	End	8499
GI	6900306	Score	774
Exons	6869..7114, 8103..8499		
GI Descrip.	(AJ250282) putative acid phosphatase [Hordeum vulgare]		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24615	Strand	+
Start	8468	End	8698
Name	OJ990410_22.9B12.C48.o1.gp	Method	AAT/GAP
Start	8468	End	8698
GI	none	Score	428
Exons	8468..8698		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24616	Strand	-
Start	873	End	4008
Name	OJ990410_22.9B12.C48.o1.gs	Method	GENSCAN
Start	873	End	4008
GI	none	Score	.71
Exons	873..1063, 3131..3445, 3648..4008		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24616	Strand	-
Start	873	End	4008
Name	OJ990410_22.9B12.C48.o2.tc	Method	TBLASTX:Cress
Start	3009	End	3349
GI	none	Score	126
Exons	3009..3152, 3017..3166, 3173..3349, 3174..3317		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24616	Strand	-
Start	873	End	4008
Name	OJ990410_22.9B12.C48.o2.tm	Method	TBLASTX:Maize
Start	3009	End	3362
GI	none	Score	137
Exons	3009..3167, 3011..3166, 3174..3362, 3206..3322		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24616	Strand	-

Start	873	End	4008
Name	OJ990410_22.9B12.C48.o2.ts	Method	TBLASTX:Soybean
Start	3009	End	3319
GI	none	Score	132
Exons	3009..3152, 3017..3091, 3110..3154, 3161..3319, 3174..3314		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24617	Strand	
Start	6673	End	8502
Name	OJ990410_22.9B12.C48.o1.tw	Method	TBLASTX:Wheat
Start	6673	End	7076
GI	none	Score	40
Exons	6673..6729, 6709..6747, 6725..6763, 6775..6837, 6776..6829, 6798..6836, 6847..6951, 6848..6958, 6879..6956, 6957..7076, 7016..7072		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24617	Strand	
Start	6673	End	8502
Name	OJ990410_22.9B12.C48.o1.ts	Method	TBLASTX:Soybean
Start	6853	End	8502
GI	none	Score	166
Exons	6853..6951, 6854..6958, 6860..6955, 7005..7115, 7040..7114, 8109..8270, 8110..8277, 8347..8502, 8349..8495		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24617	Strand	
Start	6673	End	8502
Name	OJ990410_22.9B12.C48.o1.tc	Method	TBLASTX:Cress
Start	6860	End	8496
GI	none	Score	86
Exons	6860..6958, 6954..7115, 8112..8312, 8113..8313, 8346..8495, 8347..8496		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24617	Strand	
Start	6673	End	8502
Name	OJ990410_22.9B12.C48.o1.tm	Method	TBLASTX:Maize
Start	6909	End	8456
GI	none	Score	68
Exons	6909..6956, 6917..6958, 6956..7114, 6957..7115, 8106..8315, 8110..8316, 8237..8353, 8329..8454, 8338..8454, 8349..8456, 8358..8456		

Seq. No.	11609	Seq. ID	OJ990410_22.9B12.C48
Gene No.	24617	Strand	
Start	6673	End	8502
Name	OJ990410_22.9B12.C48.o2.tw	Method	TBLASTX:Wheat
Start	8388	End	8502
GI	none	Score	175
Exons	8388..8501, 8389..8502		

Seq. No.	11610	Seq. ID	OJ990410_22.9B12.C49
Gene No.	24618	Strand	+
Start	49	End	2819
Name	OJ990410_22.9B12.C49.o1.gs	Method	GENSCAN
Start	49	End	2819

GI	none	Score	.56
Exons	49..244, 277..282, 1213..1518, 1978..2036, 2671..2819		

Seq. No.	11610	Seq. ID	OJ990410_22.9B12.C49
Gene No.	24619	Strand	-
Start	3856	End	4737
Name	OJ990410_22.9B12.C49.o2.gs	Method	GENSCAN
Start	3856	End	4695
GI	none	Score	.42
Exons	3856..4695		

Seq. No.	11610	Seq. ID	OJ990410_22.9B12.C49
Gene No.	24619	Strand	-
Start	3856	End	4737
Name	OJ990410_22.9B12.C49.o1.tw	Method	TBLASTX:Wheat
Start	3865	End	4713
GI	none	Score	54
Exons	3865..3945, 3872..3979, 3991..4146, 4025..4123, 4180..4713, 4181..4480, 4324..4482, 4529..4663		

Seq. No.	11610	Seq. ID	OJ990410_22.9B12.C49
Gene No.	24619	Strand	-
Start	3856	End	4737
Name	OJ990410_22.9B12.C49.o2.tm	Method	TBLASTX:Maize
Start	3865	End	4104
GI	none	Score	109
Exons	3865..3930, 3929..4102, 3934..4104		

Seq. No.	11610	Seq. ID	OJ990410_22.9B12.C49
Gene No.	24619	Strand	-
Start	3856	End	4737
Name	OJ990410_22.9B12.C49.o1.tc	Method	TBLASTX:Cress
Start	3997	End	4422
GI	none	Score	45
Exons	3997..4146, 4025..4123, 4186..4422, 4190..4414		

Seq. No.	11610	Seq. ID	OJ990410_22.9B12.C49
Gene No.	24619	Strand	-
Start	3856	End	4737
Name	OJ990410_22.9B12.C49.o1.tm	Method	TBLASTX:Maize
Start	4354	End	4737
GI	none	Score	225
Exons	4354..4668, 4355..4660, 4357..4662, 4669..4737		

Seq. No.	11611	Seq. ID	OJ990410_22.9B12.C50
Gene No.	24620	Strand	+
Start	377	End	4072
Name	OJ990410_22.9B12.C50.o1.np	Method	AAT/NAP
Start	377	End	4072
GI	4680204	Score	1028
Exons	377..1813, 1888..2985, 3095..3268, 3365..3596, 3947..4072		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11611	Seq. ID	OJ990410_22.9B12.C50
Gene No.	24620	Strand	+
Start	377	End	4072
Name	OJ990410_22.9B12.C50.o1.gs	Method	GENSCAN

Start	392	End	1627
GI	none	Score	.8
Exons	392..1627		

Seq. No.	11611	Seq. ID	OJ990410_22.9B12.C50
Gene No.	24620	Strand	+
Start	377	End	4072
Name	OJ990410_22.9B12.C50.o1.tw	Method	TBLASTX:Wheat
Start	1020	End	1423
GI	none	Score	62
Exons	1020..1160, 1020..1130, 1022..1258, 1022..1171, 1123..1290, 1253..1423, 1328..1423		

Seq. No.	11611	Seq. ID	OJ990410_22.9B12.C50
Gene No.	24620	Strand	+
Start	377	End	4072
Name	OJ990410_22.9B12.C50.o2.gs	Method	GENSCAN
Start	1882	End	4063
GI	none	Score	.96
Exons	1882..2029, 2155..2959, 3095..3268, 3365..3475, 3560..3632, 3727..3825, 3905..4063		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24621	Strand	+
Start	656	End	4468
Name	OJ990410_22.9B12.C52.o1.np	Method	AAT/NAP
Start	656	End	4468
GI	6630696	Score	6066
Exons	656..4468		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24621	Strand	+
Start	656	End	4468
Name	OJ990410_22.9B12.C52.o1.gp	Method	AAT/GAP
Start	698	End	1398
GI	101595_1.R1084	Score	1245
Exons	698..1398		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24621	Strand	+
Start	656	End	4468
Name	OJ990410_22.9B12.C52.o1.gs	Method	GENSCAN
Start	821	End	3811
GI	none	Score	.66
Exons	821..1477, 1514..3067, 3092..3811		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o4.tw	Method	TBLASTX:Wheat
Start	551	End	947
GI	none	Score	111

Exons	551..685, 662..946, 736..927, 765..947		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o4.tm	Method	TBLASTX:Maize
Start	698	End	1006
GI	none	Score	293
Exons	698..1006, 707..1000		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o2.np	Method	AAT/NAP
Start	886	End	6220
GI	2586082	Score	126
Exons	886..920, 5960..6220		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o1.tm	Method	TBLASTX:Maize
Start	1490	End	1914
GI	none	Score	59
Exons	1490..1564, 1509..1568, 1513..1557, 1576..1794, 1577..1855, 1577..1816, 1600..1818, 1819..1914, 1847..1912		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o3.tm	Method	TBLASTX:Maize
Start	2030	End	2464
GI	none	Score	316
Exons	2030..2464, 2281..2457		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o5.tw	Method	TBLASTX:Wheat
Start	2107	End	2299
GI	none	Score	258
Exons	2107..2298, 2108..2299		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o2.ts	Method	TBLASTX:Soybean
Start	2252	End	2650
GI	none	Score	195
Exons	2252..2473, 2254..2469, 2477..2650		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o1.tw	Method	TBLASTX:Wheat
Start	2300	End	3055

GI	none	Score	916
Exons	2300..3055, 2308..3051, 2864..3055		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o1.ts	Method	TBLASTX:Soybean
Start	2975	End	3439
GI	5509260	Score	283
Exons	2975..3439		
GI Descrip.	-		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o1.tc	Method	TBLASTX:Cress
Start	3068	End	3319
GI	none	Score	197
Exons	3068..3319		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o3.tw	Method	TBLASTX:Wheat
Start	3110	End	3655
GI	none	Score	243
Exons	3110..3454, 3449..3655, 3523..3627		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o5.tm	Method	TBLASTX:Maize
Start	3110	End	3574
GI	none	Score	286
Exons	3110..3574, 3265..3294, 3361..3471		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o3.ts	Method	TBLASTX:Soybean
Start	3508	End	3853
GI	none	Score	143
Exons	3508..3636, 3509..3667, 3653..3850, 3677..3853		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o2.tm	Method	TBLASTX:Maize
Start	3675	End	4001
GI	none	Score	65
Exons	3675..3848, 3676..3999, 3677..4000, 3753..4001		

Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o2.tw	Method	TBLASTX:Wheat
Start	3857	End	4330

GI	none	Score	93
Exons	3857..3931, 3862..3930, 3940..4215, 3946..4215, 3947..4219, 3953..4219, 4218..4316, 4220..4330, 4220..4327		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o4.ts	Method	TBLASTX:Soybean
Start	3863	End	4204
GI	none	Score	89
Exons	3863..3976, 3898..3966, 3995..4204, 4000..4125		
Seq. No.	11612	Seq. ID	OJ990410_22.9B12.C52
Gene No.	24622	Strand	-
Start	886	End	6220
Name	OJ990410_22.9B12.C52.o2.gs	Method	GENSCAN
Start	5407	End	6211
GI	none	Score	.74
Exons	5407..5478, 5526..5655, 5985..6211		
Seq. No.	11613	Seq. ID	OJ990330_18.9B19.C1
Gene No.	24623	Strand	-
Start	1	End	2094
Name	OJ990330_18.9B19.C1.o1.np	Method	AAT/NAP
Start	1	End	2094
GI	6815062	Score	1647
Exons	1..290, 382..452, 624..2094		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	11613	Seq. ID	OJ990330_18.9B19.C1
Gene No.	24623	Strand	-
Start	1	End	2094
Name	OJ990330_18.9B19.C1.o2.tm	Method	TBLASTX:Maize
Start	3	End	182
GI	none	Score	114
Exons	3..182, 22..180		
Seq. No.	11613	Seq. ID	OJ990330_18.9B19.C1
Gene No.	24623	Strand	-
Start	1	End	2094
Name	OJ990330_18.9B19.C1.o1.gs	Method	GENSCAN
Start	95	End	2067
GI	none	Score	.73
Exons	95..290, 382..472, 819..834, 1023..2067		
Seq. No.	11613	Seq. ID	OJ990330_18.9B19.C1
Gene No.	24623	Strand	-
Start	1	End	2094
Name	OJ990330_18.9B19.C1.o3.tm	Method	TBLASTX:Maize
Start	1117	End	1395
GI	none	Score	76
Exons	1117..1395, 1214..1339		
Seq. No.	11613	Seq. ID	OJ990330_18.9B19.C1
Gene No.	24623	Strand	-

Start	1	End	2094
Name	OJ990330_18.9B19.C1.o1.tm	Method	TBLASTX:Maize
Start	1537	End	2091
GI	none	Score	243
Exons	1537..1926, 1559..1927, 1580..1927, 1954..2091		

Seq. No.	11614	Seq. ID	OJ990330_18.9B19.C2
Gene No.	24624	Strand	-
Start	96	End	737
Name	OJ990330_18.9B19.C2.o1.gs	Method	GENSCAN
Start	96	End	737
GI	none	Score	.74
Exons	96..737		

Seq. No.	11615	Seq. ID	OJ990330_18.9B19.C3
Gene No.	24625	Strand	-
Start	1	End	467
Name	OJ990330_18.9B19.C3.o1.np	Method	AAT/NAP
Start	1	End	467
GI	1346396	Score	198
Exons	1..467		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	11616	Seq. ID	OJ990330_18.9B19.C4
Gene No.	24626	Strand	-
Start	812	End	1043
Name	OJ990330_18.9B19.C4.o1.gs	Method	GENSCAN
Start	812	End	1043
GI	none	Score	.63
Exons	812..1043		

Seq. No.	11616	Seq. ID	OJ990330_18.9B19.C4
Gene No.	24627	Strand	-
Start	1550	End	1661
Name	OJ990330_18.9B19.C4.o1.gp	Method	AAT/GAP
Start	1550	End	1661
GI	uC-osflcyp088b12b1	Score	158
Exons	1550..1661		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11617	Seq. ID	OJ990330_18.9B19.C5
Gene No.	24628	Strand	+
Start	6457	End	8779
Name	OJ990330_18.9B19.C5.o3.gs	Method	GENSCAN
Start	6457	End	8779
GI	none	Score	.45
Exons	6457..6543, 6797..6867, 7113..7209, 7284..7673, 8588..8779		

Seq. No.	11617	Seq. ID	OJ990330_18.9B19.C5
Gene No.	24629	Strand	+

Start	10391	End	12022
Name	OJ990330_18.9B19.C5.o1.np	Method	AAT/NAP
Start	10391	End	12019
GI	4406767	Score	491
Exons	10391..10441, 11084..12019		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	11617	Seq. ID	OJ990330_18.9B19.C5
Gene No.	24629	Strand	+
Start	10391	End	12022
Name	OJ990330_18.9B19.C5.o3.gp	Method	AAT/GAP
Start	10960	End	11206
GI	2311051	Score	430
Exons	10960..11206		

Seq. No.	11617	Seq. ID	OJ990330_18.9B19.C5
Gene No.	24629	Strand	+
Start	10391	End	12022
Name	OJ990330_18.9B19.C5.o4.gs	Method	GENSCAN
Start	10991	End	12022
GI	none	Score	1
Exons	10991..12022		

Seq. No.	11617	Seq. ID	OJ990330_18.9B19.C5
Gene No.	24630	Strand	-
Start	2609	End	2721
Name	OJ990330_18.9B19.C5.o1.gp	Method	AAT/GAP
Start	2609	End	2721
GI	uC-osflcyp088b12b1	Score	156
Exons	2609..2721		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11617	Seq. ID	OJ990330_18.9B19.C5
Gene No.	24631	Strand	-
Start	4163	End	6275
Name	OJ990330_18.9B19.C5.o2.gs	Method	GENSCAN
Start	4163	End	6275
GI	none	Score	.71
Exons	4163..4308, 4361..4422, 4475..5114, 5323..5570, 6127..6202, 6221..6275		

Seq. No.	11617	Seq. ID	OJ990330_18.9B19.C5
Gene No.	24632	Strand	
Start	11006	End	11863
Name	OJ990330_18.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	11006	End	11705
GI	none	Score	54
Exons	11006..11038, 11077..11127, 11078..11128, 11117..11314, 11131..11265, 11514..11588, 11628..11705		

Seq. No.	11617	Seq. ID	OJ990330_18.9B19.C5
Gene No.	24632	Strand	
Start	11006	End	11863
Name	OJ990330_18.9B19.C5.o1.tc	Method	TBLASTX:Cress
Start	11144	End	11863

GI	none	Score	119
Exons	11144..11296, 11312..11368, 11399..11467, 11495..11608, 11615..11719, 11735..11863		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24633	Strand	+
Start	11187	End	11923
Name	OJ990330_18.9B19.C6.o1.gp	Method	AAT/GAP
Start	11187	End	11923
GI	101153_1.R1084	Score	392
Exons	11187..11211, 11681..11923		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24634	Strand	+
Start	12156	End	24449
Name	OJ990330_18.9B19.C6.o4.gs	Method	GENSCAN
Start	12156	End	24449
GI	none	Score	.91
Exons	12156..12202, 13006..13038, 13176..13387, 14660..14747, 15364..15552, 16363..16399, 16819..16930, 17021..17104, 17151..17244, 19682..19727, 19875..24449		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24634	Strand	+
Start	12156	End	24449
Name	OJ990330_18.9B19.C6.o3.gp	Method	AAT/GAP
Start	12899	End	13173
GI	61605_1.R1084	Score	485
Exons	12899..13173		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24634	Strand	+
Start	12156	End	24449
Name	OJ990330_18.9B19.C6.o2.np	Method	AAT/NAP
Start	19872	End	24446
GI	4680179	Score	6621
Exons	19872..24446		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24635	Strand	-
Start	973	End	1173
Name	OJ990330_18.9B19.C6.o1.gs	Method	GENSCAN
Start	973	End	1173
GI	none	Score	.99
Exons	973..1173		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o1.np	Method	AAT/NAP
Start	5516	End	10424
GI	6539553	Score	4824

Exons	5516..8326, 10387..10424		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o5.tw	Method	TBLASTX:Wheat
Start	5652	End	6128
GI	none	Score	358
Exons	5652..6038, 5690..6037, 5731..6039, 6053..6127, 6057..6128		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o6.ts	Method	TBLASTX:Soybean
Start	5780	End	6121
GI	none	Score	89
Exons	5780..5989, 5853..5984, 6008..6121, 6015..6095		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o7.tm	Method	TBLASTX:Maize
Start	5984	End	6323
GI	none	Score	200
Exons	5984..6322, 5985..6323		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o3.ts	Method	TBLASTX:Soybean
Start	6134	End	6479
GI	none	Score	124
Exons	6134..6478, 6279..6479		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o7.tw	Method	TBLASTX:Wheat
Start	6332	End	6877
GI	none	Score	48
Exons	6332..6538, 6342..6464, 6533..6877, 6557..6730		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o5.tm	Method	TBLASTX:Maize
Start	6413	End	6878
GI	none	Score	55
Exons	6413..6877, 6516..6626, 6560..6742, 6696..6878		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840

Name	OJ990330_18.9B19.C6.o2.ts	Method	TBLASTX:Soybean
Start	6548	End	7012
GI	5509260	Score	58
Exons	6548..7012, 6567..6626, 6699..6794, 6843..6911		
GI Descrip.	-		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o1.tc	Method	TBLASTX:Cress
Start	6659	End	6919
GI	none	Score	286
Exons	6659..6919		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o1.tw	Method	TBLASTX:Wheat
Start	6932	End	7687
GI	none	Score	200
Exons	6932..7171, 6933..7091, 6949..7179, 6952..7149, 7200..7679, 7223..7687		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o4.ts	Method	TBLASTX:Soybean
Start	7337	End	7735
GI	none	Score	38
Exons	7337..7510, 7464..7502, 7511..7735, 7557..7727		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o8.tm	Method	TBLASTX:Maize
Start	7523	End	7957
GI	none	Score	87
Exons	7523..7957, 7548..7748		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o11.tw	Method	TBLASTX:Wheat
Start	7688	End	7879
GI	none	Score	186
Exons	7688..7879, 7688..7879		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o7.ts	Method	TBLASTX:Soybean
Start	7745	End	8131
GI	none	Score	88
Exons	7745..7993, 7976..8131		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-

Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o9.tm	Method	TBLASTX:Maize
Start	8075	End	8323
GI	none	Score	44
Exons	8075..8137, 8094..8138, 8101..8145, 8149..8292, 8153..8293, 8153..8323, 8160..8321		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24636	Strand	-
Start	5516	End	10840
Name	OJ990330_18.9B19.C6.o3.gs	Method	GENSCAN
Start	9853	End	10840
GI	none	Score	.99
Exons	9853..10390, 10419..10840		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24637	Strand	
Start	20141	End	20681
Name	OJ990330_18.9B19.C6.o10.tw	Method	TBLASTX:Wheat
Start	20141	End	20504
GI	none	Score	297
Exons	20141..20245, 20145..20504, 20270..20503		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24637	Strand	
Start	20141	End	20681
Name	OJ990330_18.9B19.C6.o11.tm	Method	TBLASTX:Maize
Start	20385	End	20681
GI	none	Score	200
Exons	20385..20681, 20402..20572		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24638	Strand	
Start	21027	End	21434
Name	OJ990330_18.9B19.C6.o10.tm	Method	TBLASTX:Maize
Start	21027	End	21347
GI	none	Score	209
Exons	21027..21347		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24638	Strand	
Start	21027	End	21434
Name	OJ990330_18.9B19.C6.o12.tw	Method	TBLASTX:Wheat
Start	21080	End	21434
GI	none	Score	262
Exons	21080..21175, 21081..21434, 21264..21398		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24639	Strand	
Start	21605	End	22514
Name	OJ990330_18.9B19.C6.o6.tw	Method	TBLASTX:Wheat
Start	21605	End	22091
GI	none	Score	538
Exons	21605..22048, 21609..22091		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24639	Strand	

Start	21605	End	22514
Name	OJ990330_18.9B19.C6.o4.tm	Method	TBLASTX:Maize
Start	21674	End	22145
GI	none	Score	385
Exons	21674..21919, 21678..22145, 21765..22112		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24639	Strand	
Start	21605	End	22514
Name	OJ990330_18.9B19.C6.o1.ts	Method	TBLASTX:Soybean
Start	22032	End	22428
GI	none	Score	57
Exons	22032..22064, 22032..22064, 22068..22427, 22075..22428, 22075..22209, 22184..22426		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24639	Strand	
Start	21605	End	22514
Name	OJ990330_18.9B19.C6.o8.tw	Method	TBLASTX:Wheat
Start	22140	End	22442
GI	none	Score	397
Exons	22140..22442, 22178..22441		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24639	Strand	
Start	21605	End	22514
Name	OJ990330_18.9B19.C6.o6.tm	Method	TBLASTX:Maize
Start	22161	End	22514
GI	none	Score	325
Exons	22161..22514, 22172..22432		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24640	Strand	
Start	22443	End	22952
Name	OJ990330_18.9B19.C6.o3.tw	Method	TBLASTX:Wheat
Start	22443	End	22952
GI	none	Score	630
Exons	22443..22952, 22443..22862, 22475..22951		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24640	Strand	
Start	22443	End	22952
Name	OJ990330_18.9B19.C6.o8.ts	Method	TBLASTX:Soybean
Start	22452	End	22694
GI	none	Score	197
Exons	22452..22694		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24640	Strand	
Start	22443	End	22952
Name	OJ990330_18.9B19.C6.o2.tm	Method	TBLASTX:Maize
Start	22515	End	22868
GI	none	Score	470
Exons	22515..22868, 22517..22693, 22557..22853		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24641	Strand	

Start	22956	End	24422
Name	OJ990330_18.9B19.C6.o4.tw	Method	TBLASTX:Wheat
Start	22956	End	23435
GI	none	Score	586
Exons	22956..23435, 22974..23429, 23051..23434		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24641	Strand	
Start	22956	End	24422
Name	OJ990330_18.9B19.C6.o2.tc	Method	TBLASTX:Cress
Start	23133	End	23459
GI	none	Score	91
Exons	23133..23315, 23316..23459, 23381..23458		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24641	Strand	
Start	22956	End	24422
Name	OJ990330_18.9B19.C6.o5.ts	Method	TBLASTX:Soybean
Start	23223	End	23483
GI	none	Score	299
Exons	23223..23483, 23228..23326, 23415..23483		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24641	Strand	
Start	22956	End	24422
Name	OJ990330_18.9B19.C6.o3.tm	Method	TBLASTX:Maize
Start	23281	End	23573
GI	none	Score	390
Exons	23281..23472, 23283..23573, 23352..23564, 23384..23569		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24641	Strand	
Start	22956	End	24422
Name	OJ990330_18.9B19.C6.o2.tw	Method	TBLASTX:Wheat
Start	23442	End	24068
GI	none	Score	672
Exons	23442..24068, 23498..24067		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24641	Strand	
Start	22956	End	24422
Name	OJ990330_18.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	23622	End	24209
GI	none	Score	226
Exons	23622..23783, 23628..23774, 23630..23776, 23781..23879, 23781..23849, 23783..23878, 23895..24065, 23940..24209, 23948..24208		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6
Gene No.	24641	Strand	
Start	22956	End	24422
Name	OJ990330_18.9B19.C6.o9.tw	Method	TBLASTX:Wheat
Start	24068	End	24401
GI	none	Score	360
Exons	24068..24205, 24069..24401		

Seq. No.	11618	Seq. ID	OJ990330_18.9B19.C6

Gene No.	24641	Strand	
Start	22956	End	24422
Name	OJ990330_18.9B19.C6.o12.tm	Method	TBLASTX:Maize
Start	24210	End	24422
GI	none	Score	200
Exons	24210..24422		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24642	Strand	+
Start	1	End	2878
Name	OJ990330_18.9B19.C7.o1.np	Method	AAT/NAP
Start	1	End	2878
GI	5042447	Score	457
Exons	1..308, 2849..2878		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24642	Strand	+
Start	1	End	2878
Name	OJ990330_18.9B19.C7.o1.gs	Method	GENSCAN
Start	124	End	1496
GI	none	Score	.88
Exons	124..352, 1075..1496		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24643	Strand	+
Start	9236	End	9519
Name	OJ990330_18.9B19.C7.o1.gp	Method	AAT/GAP
Start	9236	End	9519
GI	828_1.R1084	Score	478
Exons	9236..9519		
GI Descrip.	'4539568/emb|CAB38487.1| 6.0e-19 (AL035636) putative helicase [Streptomyces coelicolor]'		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24644	Strand	+
Start	12538	End	20803
Name	OJ990330_18.9B19.C7.o5.gs	Method	GENSCAN
Start	12538	End	20803
GI	none	Score	.78
Exons	12538..12903, 13104..13667, 13997..14119, 14426..14557, 15542..15684, 16519..16594, 17135..17271, 17353..17512, 17594..17773, 17852..17968, 18233..18388, 19172..19284, 19362..19485, 19654..19749, 19832..19952, 20291..20432, 20704..20803		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24644	Strand	+
Start	12538	End	20803
Name	OJ990330_18.9B19.C7.o4.np	Method	AAT/NAP
Start	13944	End	19894
GI	2621563	Score	728
Exons	13944..14119, 14200..14349, 14426..14557, 14649..14728, 14865..14956, 15240..15301, 15536..15656, 16316..16415, 16519..16594, 17135..17271, 17353..17512, 17594..17751, 17857..17968, 18233..18381, 18919..19072, 19172..19284, 19362..19485, 19654..19749, 19832..19894		

GI Descrip. (AE000833) ATP-dependent RNA helicase, eIF-4A family [Methanobacterium thermoautotrophicum]

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24644	Strand	+
Start	12538	End	20803
Name	OJ990330_18.9B19.C7.o2.gp	Method	AAT/GAP
Start	14413	End	15166
GI	3760269	Score	1218
Exons	14413..14557, 14649..15166		

GI Descrip. 4539568/emb|CAB38487.1| 6.0e-19 (AL035636) putative helicase [Streptomyces coelicolor]

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24644	Strand	+
Start	12538	End	20803
Name	OJ990330_18.9B19.C7.o3.gp	Method	AAT/GAP
Start	15468	End	16203
GI	3760270	Score	1396
Exons	15468..16203		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24644	Strand	+
Start	12538	End	20803
Name	OJ990330_18.9B19.C7.o5.np	Method	AAT/NAP
Start	15634	End	19935
GI	2105045	Score	296
Exons	15634..15660, 16306..16415, 16519..16594, 17135..17271, 17353..17512, 17594..17731, 17831..17968, 18233..18419, 18957..19072, 19172..19284, 19362..19485, 19647..19749, 19832..19935		

GI Descrip. (Z95436) hypothetical protein Rv3649 [Mycobacterium tuberculosis]

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24645	Strand	+
Start	20781	End	24295
Name	OJ990330_18.9B19.C7.o6.np	Method	AAT/NAP
Start	20781	End	24295
GI	114534	Score	98
Exons	20781..20834, 22948..23042, 24253..24295		

GI Descrip. ATP SYNTHASE ALPHA CHAIN gi|67828|pir||PWWTA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - wheat chloroplast gi|552976 (M16842) ATP synthase alpha subunit [Triticum aestivum]

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24645	Strand	+
Start	20781	End	24295
Name	OJ990330_18.9B19.C7.o4.gp	Method	AAT/GAP
Start	22949	End	23042
GI	LIB3431-040-P1-K2-C1	Score	134
Exons	22949..23042		

GI Descrip. '114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o2.tw	Method	TBLASTX:Wheat
Start	3	End	302
GI	none	Score	97
Exons	3..293, 3..302, 4..300		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o3.tm	Method	TBLASTX:Maize
Start	3	End	245
GI	none	Score	258
Exons	3..245, 4..243		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o2.ts	Method	TBLASTX:Soybean
Start	13	End	294
GI	none	Score	186
Exons	13..294		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o2.gs	Method	GENSCAN
Start	6035	End	9885
GI	none	Score	.55
Exons	6035..6578, 7154..7261, 7341..7640, 8819..9126, 9132..9196, 9513..9885		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o2.np	Method	AAT/NAP
Start	6038	End	10917
GI	4406767	Score	510
Exons	6038..6578, 10418..10917		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o1.tc	Method	TBLASTX:Cress
Start	6053	End	6478
GI	none	Score	55
Exons	6053..6169, 6066..6152, 6201..6308, 6203..6478, 6351..6383		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o4.tm	Method	TBLASTX:Maize
Start	6230	End	6583

GI	none	Score	97
Exons	6230..6490, 6231..6452, 6506..6583		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o3.np	Method	AAT/NAP
Start	8890	End	23256
GI	81286	Score	115
Exons	8890..8942, 9635..9854, 10589..10699, 10887..11002, 12698..12807, 23153..23256		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o3.gs	Method	GENSCAN
Start	10066	End	10948
GI	none	Score	.8
Exons	10066..10213, 10418..10668, 10691..10948		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	10570	End	10934
GI	none	Score	44
Exons	10570..10614, 10570..10626, 10618..10767, 10619..10765, 10829..10867, 10829..10933, 10905..10934		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o4.gs	Method	GENSCAN
Start	11607	End	11974
GI	none	Score	.78
Exons	11607..11724, 11748..11974		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o1.ts	Method	TBLASTX:Soybean
Start	16529	End	17533
GI	none	Score	71
Exons	16529..16594, 17132..17269, 17133..17267, 17134..17271, 17344..17532, 17351..17533		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o2.tm	Method	TBLASTX:Maize
Start	17917	End	19195
GI	none	Score	82
Exons	17917..17970, 17918..17971, 18226..18387, 18228..18389, 18233..18388, 18901..19071, 18902..19072, 18902..19075, 19169..19195, 19172..19195		

Seq. No.	11619	Seq. ID	OJ990330_18.9B19.C7
Gene No.	24646	Strand	-
Start	6035	End	23256
Name	OJ990330_18.9B19.C7.o1.tw	Method	TBLASTX:Wheat
Start	18983	End	19749
GI	none	Score	102
Exons	18983..19072, 18985..19059, 19164..19241, 19171..19284, 19171..19284, 19172..19285, 19355..19474, 19362..19487, 19362..19487, 19363..19497, 19654..19749, 19698..19748		

Seq. No.	11620	Seq. ID	OJ990330_18.9B19.C9
Gene No.	24647	Strand	-
Start	288	End	408
Name	OJ990330_18.9B19.C9.o1.gs	Method	GENSCAN
Start	288	End	408
GI	none	Score	.94
Exons	288..408		

Seq. No.	11621	Seq. ID	OJ990330_18.9B19.C11
Gene No.	24648	Strand	-
Start	506	End	690
Name	OJ990330_18.9B19.C11.o1.np	Method	AAT/NAP
Start	506	End	690
GI	6907086	Score	96
Exons	506..690		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11622	Seq. ID	OJ990330_18.9B19.C12
Gene No.	24649	Strand	-
Start	1	End	1128
Name	OJ990330_18.9B19.C12.o1.np	Method	AAT/NAP
Start	1	End	1128
GI	6907086	Score	1024
Exons	1..319, 375..1128		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11622	Seq. ID	OJ990330_18.9B19.C12
Gene No.	24649	Strand	-
Start	1	End	1128
Name	OJ990330_18.9B19.C12.o1.gs	Method	GENSCAN
Start	512	End	925
GI	none	Score	.42
Exons	512..925		

Seq. No.	11623	Seq. ID	OJ990330_18.9B19.C13
Gene No.	24650	Strand	-
Start	1	End	135
Name	OJ990330_18.9B19.C13.o1.np	Method	AAT/NAP
Start	1	End	135
GI	6815109	Score	92
Exons	1..135		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11624	Seq. ID	OJ990330_18.9B19.C16
Gene No.	24651	Strand	+
Start	258	End	446

Name	OJ990330_18.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	245	End	446
GI	none	Score	197
Exons	245..415, 251..412, 253..414, 256..432, 258..446		

Seq. No.	11624	Seq. ID	OJ990330_18.9B19.C16
Gene No.	24651	Strand	+
Start	258	End	446
Name	OJ990330_18.9B19.C16.o1.gs	Method	GENSCAN
Start	258	End	413
GI	none	Score	.98
Exons	258..413		

Seq. No.	11625	Seq. ID	OJ990630_11.9B15.C2
Gene No.	24652	Strand	+
Start	1	End	575
Name	OJ990630_11.9B15.C2.o1.np	Method	AAT/NAP
Start	1	End	575
GI	6498441	Score	948
Exons	1..575		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11625	Seq. ID	OJ990630_11.9B15.C2
Gene No.	24652	Strand	+
Start	1	End	575
Name	OJ990630_11.9B15.C2.o1.tw	Method	TBLASTX:Wheat
Start	11	End	295
GI	none	Score	170
Exons	11..295, 11..214, 58..228		

Seq. No.	11625	Seq. ID	OJ990630_11.9B15.C2
Gene No.	24652	Strand	+
Start	1	End	575
Name	OJ990630_11.9B15.C2.o1.gs	Method	GENSCAN
Start	60	End	528
GI	none	Score	.43
Exons	60..360, 366..528		

Seq. No.	11626	Seq. ID	OJ990630_11.9B15.C3
Gene No.	24653	Strand	-
Start	1	End	795
Name	OJ990630_11.9B15.C3.o1.np	Method	AAT/NAP
Start	1	End	795
GI	6907089	Score	679
Exons	1..669, 766..795		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11627	Seq. ID	OJ990630_11.9B15.C4
Gene No.	24654	Strand	+
Start	1151	End	1290
Name	OJ990630_11.9B15.C4.o1.gs	Method	GENSCAN
Start	1151	End	1290
GI	none	Score	.93
Exons	1151..1290		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24655	Strand	+
Start	77	End	853
Name	OJ990630_11.9B15.C5.o1.gs	Method	GENSCAN
Start	77	End	853
GI	none	Score	1
Exons	77..300, 430..853		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24656	Strand	+
Start	5970	End	10189
Name	OJ990630_11.9B15.C5.o3.gs	Method	GENSCAN
Start	5970	End	10189
GI	none	Score	.55
Exons	5970..6099, 6537..6920, 7004..7166, 9874..10189		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24657	Strand	+
Start	11005	End	12309
Name	OJ990630_11.9B15.C5.o1.gp	Method	AAT/GAP
Start	10908	End	12309
GI	5988_1.R1084	Score	1758
Exons	10908..11167, 11657..12309		
GI Descrip.	'2493318/sp|Q41001|BCP_PEA 3.0e-17 BLUE COPPER PROTEIN PRECURSOR >gi_562779_emb_CAA80963_ (Z25471) blue copper protein [Pisum sativum] >gi_1098264_prf__2115352A blue Cu protein [Pisum sativum]'		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24657	Strand	+
Start	11005	End	12309
Name	OJ990630_11.9B15.C5.o1.np	Method	AAT/NAP
Start	10999	End	12054
GI	2493318	Score	289
Exons	10999..11167, 11657..12054		
GI Descrip.	BLUE COPPER PROTEIN PRECURSOR gi|562779|emb|CAA80963| (Z25471) blue copper protein [Pisum sativum] gi|1098264|prf||2115352A blue Cu protein [Pisum sativum]		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24657	Strand	+
Start	11005	End	12309
Name	OJ990630_11.9B15.C5.o4.gs	Method	GENSCAN
Start	11005	End	12039
GI	none	Score	1
Exons	11005..11167, 11657..12039		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24658	Strand	+
Start	16846	End	17666
Name	OJ990630_11.9B15.C5.o2.gp	Method	AAT/GAP
Start	16728	End	17666
GI	15328_1.R1084	Score	1523
Exons	16728..17020, 17165..17666		
GI Descrip.	'3747044 9.0e-22 (AF093537) blue copper protein [Zea mays]'		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5

Gene No.	24658	Strand	+
Start	16846	End	17666
Name	OJ990630_11.9B15.C5.o5.gs	Method	GENSCAN
Start	16846	End	17508
GI	none	Score	.98
Exons	16846..17020, 17165..17508		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24658	Strand	+
Start	16846	End	17666
Name	OJ990630_11.9B15.C5.o2.np	Method	AAT/NAP
Start	16858	End	17603
GI	728949	Score	136
Exons	16858..17020, 17165..17603		
GI Descrip.	BLUE COPPER PROTEIN PRECURSOR gi|99665|pir||S25555 blue copper protein - Arabidopsis thaliana gi|2147156|pir||I39698 blue copper-binding protein - Arabidopsis thaliana gi|16203|emb|CAA78771.1| (Z15058) blue copper-binding protein [unidentified bacterium] gi|739987|prf||2004275A blue copper-binding protein [Arabidopsis thaliana]		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24659	Strand	+
Start	18248	End	21371
Name	OJ990630_11.9B15.C5.o6.gs	Method	GENSCAN
Start	18248	End	21371
GI	none	Score	.88
Exons	18248..18288, 18293..18342, 19966..20076, 20743..21371		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24659	Strand	+
Start	18248	End	21371
Name	OJ990630_11.9B15.C5.o3.gp	Method	AAT/GAP
Start	19438	End	19869
GI	287130	Score	551
Exons	19438..19547, 19630..19869		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24660	Strand	+
Start	26639	End	27075
Name	OJ990630_11.9B15.C5.o6.gp	Method	AAT/GAP
Start	26639	End	27075
GI	none	Score	854
Exons	26639..27075		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24661	Strand	-
Start	22643	End	23166
Name	OJ990630_11.9B15.C5.o4.gp	Method	AAT/GAP
Start	22621	End	23166
GI	none	Score	970
Exons	22621..23166		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24661	Strand	-
Start	22643	End	23166
Name	OJ990630_11.9B15.C5.o7.gs	Method	GENSCAN

Start	22643	End	23083
GI	none	Score	.85
Exons	22643..23083		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o4.tm	Method	TBLASTX:Maize
Start	119	End	864
GI	none	Score	37
Exons	119..148, 137..169, 193..207, 202..300, 230..322, 233..301, 244..306, 518..691, 648..704, 656..703, 805..864, 806..850		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o8.gs	Method	GENSCAN
Start	23486	End	45682
GI	none	Score	.73
Exons	23486..23604, 26670..26762, 27396..27474, 27838..28008, 28231..28362, 28562..28690, 29081..29118, 29185..29288, 30550..30709, 33046..33112, 33190..33277, 33394..33512, 33583..33970, 34052..34216, 37972..38237, 38346..38642, 39010..39139, 39478..39803, 40167..40388, 40480..40875, 41493..41563, 42173..42273, 42293..42425, 42554..42639, 42729..43033, 44063..44128, 45462..45574, 45639..45682		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o7.gp	Method	AAT/GAP
Start	27324	End	28016
GI	LIB3431-028-P1-K1-G1	Score	696
Exons	27324..27474, 27556..27615, 27838..28016		
GI Descrip.	'6006894/gb|AAF00669.1|AC008153_21 2.0e-39 (AC008153) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o3.np	Method	AAT/NAP
Start	27361	End	36105
GI	6006894	Score	1508
Exons	27361..27474, 27556..27615, 27838..28008, 28231..28362, 28562..28690, 29022..29102, 31272..31577, 32826..32977, 33190..33262, 33394..33512, 33583..33973, 34052..34216, 34794..34885, 35454..35824, 36063..36105		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o6.ts	Method	TBLASTX:Soybean
Start	27365	End	28663
GI	none	Score	104
Exons	27365..27475, 27373..27474, 27553..27615, 27560..27616, 27832..28005, 27833..28006, 27836..28006, 28547..28663		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o7.ts	Method	TBLASTX:Soybean
Start	31389	End	31584
GI	none	Score	108
Exons	31389..31547, 31393..31584		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o8.gp	Method	AAT/GAP
Start	31496	End	33420
GI	32487_1.R1084	Score	890
Exons	31496..31577, 32586..32667, 32773..32817, 32907..33112, 33190..33262, 33394..33420		
GI Descrip.	'6006894/gb|AAF00669.1|AC008153_21 6.0e-23 (AC008153) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o4.tc	Method	TBLASTX:Cress
Start	32885	End	33264
GI	none	Score	78
Exons	32885..33022, 32902..32994, 32907..33005, 33077..33115, 33187..33264		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o3.tm	Method	TBLASTX:Maize
Start	33187	End	33633
GI	none	Score	114
Exons	33187..33264, 33188..33265, 33188..33265, 33391..33513, 33393..33506, 33561..33632, 33562..33633, 33568..33633		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o5.ts	Method	TBLASTX:Soybean
Start	33187	End	33745
GI	none	Score	78
Exons	33187..33264, 33188..33265, 33391..33513, 33393..33506, 33457..33513, 33562..33681, 33564..33689, 33569..33685, 33704..33745, 33712..33744		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o5.tc	Method	TBLASTX:Cress
Start	34799	End	35700
GI	none	Score	140
Exons	34799..34903, 35463..35699, 35470..35700		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5

Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o4.np	Method	AAT/NAP
Start	38007	End	40842
GI	2462925	Score	1644
Exons	38007..38237, 38346..38642, 39010..39139, 39478..39803, 40167..40388, 40480..40842		
GI Descrip.	(AJ000053) GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phoshate synthase [Arabidopsis thaliana]		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o4.ts	Method	TBLASTX:Soybean
Start	38019	End	38241
GI	none	Score	167
Exons	38019..38240, 38020..38241		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o1.tc	Method	TBLASTX:Cress
Start	38040	End	39617
GI	none	Score	148
Exons	38040..38240, 38044..38241, 38343..38648, 38347..38643, 39001..39147, 39011..39163, 39474..39569, 39478..39573, 39564..39617, 39565..39612		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o1.tm	Method	TBLASTX:Maize
Start	38058	End	39672
GI	none	Score	203
Exons	38058..38240, 38059..38241, 38341..38634, 38342..38557, 38343..38648, 38347..38643, 39001..39147, 39014..39157, 39473..39571, 39474..39671, 39475..39672, 39478..39672		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o1.ts	Method	TBLASTX:Soybean
Start	38343	End	38648
GI	none	Score	399
Exons	38343..38648, 38347..38643		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o2.ts	Method	TBLASTX:Soybean
Start	39468	End	39789
GI	none	Score	90
Exons	39468..39569, 39472..39573, 39522..39575, 39564..39713, 39564..39788, 39565..39789, 39574..39789		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5

Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o1.tw	Method	TBLASTX:Wheat
Start	39484	End	39804
GI	none	Score	72
Exons	39484..39600, 39486..39569, 39564..39716, 39564..39803, 39565..39804, 39574..39804		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o3.tc	Method	TBLASTX:Cress
Start	39621	End	39804
GI	none	Score	84
Exons	39621..39713, 39621..39803, 39622..39804, 39631..39804		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o2.tm	Method	TBLASTX:Maize
Start	39673	End	40560
GI	none	Score	144
Exons	39673..39804, 39675..39803, 39688..39813, 40165..40335, 40167..40385, 40167..40385, 40465..40560, 40480..40560		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o2.tc	Method	TBLASTX:Cress
Start	40159	End	40615
GI	none	Score	114
Exons	40159..40335, 40161..40385, 40177..40386, 40185..40391, 40465..40578, 40478..40528, 40565..40615		

Seq. No.	11628	Seq. ID	OJ990630_11.9B15.C5
Gene No.	24662	Strand	-
Start	23486	End	45682
Name	OJ990630_11.9B15.C5.o3.ts	Method	TBLASTX:Soybean
Start	40165	End	40578
GI	none	Score	179
Exons	40165..40377, 40167..40391, 40167..40385, 40465..40572, 40477..40578		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24663	Strand	+
Start	1	End	4311
Name	OJ990630_11.9B15.C6.o1.np	Method	AAT/NAP
Start	1	End	4311
GI	2499535	Score	1172
Exons	1..703, 1734..2047, 3381..3829, 4199..4311		
GI Descrip.	2-OXOGLUTARATE/MALATE TRANSLOCATOR PRECURSOR gi|595681 (U13238) 2-oxoglutarate/malate translocator [Spinacia oleracea]		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24663	Strand	+
Start	1	End	4311
Name	OJ990630_11.9B15.C6.o1.gs	Method	GENSCAN

Start	122	End	4012
GI	none	Score	.67
Exons	122..703, 3634..3829, 3933..4012		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24664	Strand	+
Start	10913	End	11627
Name	OJ990630_11.9B15.C6.o3.gs	Method	GENSCAN
Start	10913	End	11627
GI	none	Score	.49
Exons	10913..10916, 11485..11627		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24665	Strand	+
Start	12338	End	12445
Name	OJ990630_11.9B15.C6.o4.gs	Method	GENSCAN
Start	12338	End	12445
GI	none	Score	.8
Exons	12338..12445		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24666	Strand	+
Start	16687	End	24061
Name	OJ990630_11.9B15.C6.o2.np	Method	AAT/NAP
Start	16687	End	20963
GI	5006853	Score	738
Exons	16687..16766, 20133..20481, 20553..20963		
GI Descrip.	(AF145728) homeodomain leucine zipper protein [Oryza sativa]		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24666	Strand	+
Start	16687	End	24061
Name	OJ990630_11.9B15.C6.o2.gp	Method	AAT/GAP
Start	19529	End	19938
GI	702836	Score	779
Exons	19529..19938		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24666	Strand	+
Start	16687	End	24061
Name	OJ990630_11.9B15.C6.o6.gs	Method	GENSCAN
Start	20158	End	24061
GI	none	Score	.75
Exons	20158..20481, 20553..20935, 21093..21111, 21155..21307, 21535..21557, 23866..23928, 24037..24061		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24667	Strand	+
Start	28640	End	30963
Name	OJ990630_11.9B15.C6.o8.gs	Method	GENSCAN
Start	28640	End	30963
GI	none	Score	.99
Exons	28640..28903, 29197..29313, 29404..29832, 29911..30963		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24668	Strand	+
Start	35755	End	41209

Name	OJ990630_11.9B15.C6.o3.np	Method	AAT/NAP
Start	35755	End	41209
GI	6498441	Score	7174
Exons	35755..36819, 37150..37613, 37677..38050, 38234..38368, 38543..39266, 39438..40834, 40928..41209		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24669	Strand	-
Start	13457	End	19764
Name	OJ990630_11.9B15.C6.o5.gs	Method	GENSCAN
Start	13457	End	19764
GI	none	Score	.55
Exons	13457..13581, 15368..15411, 16540..16651, 16872..17170, 17898..17965, 19636..19764		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24669	Strand	-
Start	13457	End	19764
Name	OJ990630_11.9B15.C6.o1.gp	Method	AAT/GAP
Start	16861	End	17075
GI	none	Score	362
Exons	16861..17075		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24670	Strand	-
Start	25147	End	25465
Name	OJ990630_11.9B15.C6.o7.gs	Method	GENSCAN
Start	25147	End	25465
GI	none	Score	.44
Exons	25147..25406, 25414..25465		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o6.tc	Method	TBLASTX:Cress
Start	191	End	337
GI	none	Score	199
Exons	191..337, 193..333		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o1.tm	Method	TBLASTX:Maize
Start	193	End	682
GI	none	Score	474
Exons	193..483, 194..484, 505..681, 506..682		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o5.ts	Method	TBLASTX:Soybean
Start	215	End	523
GI	none	Score	289
Exons	215..523, 217..522		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o2.tc	Method	TBLASTX:Cress
Start	595	End	2042
GI	none	Score	157
Exons	595..699, 596..703, 599..724, 1738..1866, 1739..2041, 1755..2042, 1920..2042		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o2.tm	Method	TBLASTX:Maize
Start	1713	End	4471
GI	none	Score	445
Exons	1713..2048, 1730..2047, 1891..2055, 3381..3827, 3381..3827, 3382..3837, 4196..4273, 4196..4315, 4197..4316, 4198..4395, 4198..4341, 4417..4458, 4418..4471		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o4.ts	Method	TBLASTX:Soybean
Start	1739	End	1970
GI	none	Score	167
Exons	1739..1966, 1739..1966, 1755..1970		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o2.ts	Method	TBLASTX:Soybean
Start	1971	End	3792
GI	none	Score	108
Exons	1971..2048, 1973..2047, 3363..3497, 3381..3494, 3382..3501, 3496..3792, 3498..3791		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o4.tc	Method	TBLASTX:Cress
Start	3367	End	3662
GI	none	Score	356
Exons	3367..3654, 3375..3662		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o7.tc	Method	TBLASTX:Cress
Start	3726	End	4335
GI	none	Score	150
Exons	3726..3827, 3727..3837, 4197..4304, 4198..4335		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o3.ts	Method	TBLASTX:Soybean

Start	20185	End	20487
GI	none	Score	351
Exons	20185..20487, 20325..20384		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o3.tc	Method	TBLASTX:Cress
Start	20212	End	20484
GI	none	Score	356
Exons	20212..20484, 20323..20475		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o6.tw	Method	TBLASTX:Wheat
Start	20212	End	39081
GI	none	Score	315
Exons	20212..20409, 20229..20384, 20317..20415, 38848..39081		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o4.tm	Method	TBLASTX:Maize
Start	20212	End	21083
GI	none	Score	444
Exons	20212..20487, 20229..20384, 20317..20481, 20386..20484, 20550..20600, 20580..20615, 20676..20717, 20684..20716, 20808..20861, 20819..20848, 20915..20956, 21021..21083		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o3.tm	Method	TBLASTX:Maize
Start	29257	End	30651
GI	none	Score	64
Exons	29257..29322, 29760..29837, 29761..29847, 29907..30068, 29911..30084, 30124..30645, 30165..30629, 30343..30651		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o5.tc	Method	TBLASTX:Cress
Start	29751	End	30075
GI	none	Score	102
Exons	29751..29837, 29752..29847, 29910..30062, 29911..30075		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o1.ts	Method	TBLASTX:Soybean
Start	29758	End	30942
GI	none	Score	108
Exons	29758..29847, 29760..29831, 29911..30072, 29934..30068, 30127..30942, 30219..30632		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6

Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o9.tw	Method	TBLASTX:Wheat
Start	29764	End	30066
GI	none	Score	87
Exons	29764..29838, 29911..30066, 29937..30059		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o1.tc	Method	TBLASTX:Cress
Start	30253	End	30942
GI	none	Score	90
Exons	30253..30342, 30357..30638, 30358..30942		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o7.tw	Method	TBLASTX:Wheat
Start	35907	End	36296
GI	none	Score	54
Exons	35907..35951, 35958..36056, 35975..36055, 36023..36262, 36039..36296		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o8.tm	Method	TBLASTX:Maize
Start	35946	End	36194
GI	none	Score	194
Exons	35946..36194, 35948..36193		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o3.tw	Method	TBLASTX:Wheat
Start	37034	End	37520
GI	none	Score	406
Exons	37034..37207, 37035..37520, 37229..37489		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o1.tw	Method	TBLASTX:Wheat
Start	37685	End	38147
GI	none	Score	583
Exons	37685..38140, 37686..38147		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o7.ts	Method	TBLASTX:Soybean
Start	37725	End	38090
GI	none	Score	118
Exons	37725..37949, 37956..38090		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6

Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o5.tm	Method	TBLASTX:Maize
Start	37815	End	38171
GI	none	Score	392
Exons	37815..38171, 37850..38161, 38055..38171		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o6.tm	Method	TBLASTX:Maize
Start	38198	End	38582
GI	none	Score	360
Exons	38198..38563, 38199..38582		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o2.tw	Method	TBLASTX:Wheat
Start	38255	End	38675
GI	none	Score	494
Exons	38255..38650, 38256..38675		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o6.ts	Method	TBLASTX:Soybean
Start	38334	End	38705
GI	none	Score	276
Exons	38334..38705, 38351..38494		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o5.tw	Method	TBLASTX:Wheat
Start	39111	End	39572
GI	none	Score	221
Exons	39111..39362, 39138..39362, 39203..39379, 39423..39572, 39449..39571		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o8.ts	Method	TBLASTX:Soybean
Start	39285	End	39827
GI	5666795	Score	59
Exons	39285..39359, 39438..39572, 39627..39827		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o10.tw	Method	TBLASTX:Wheat
Start	39575	End	39878
GI	none	Score	189
Exons	39575..39751, 39627..39878		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o7.tm	Method	TBLASTX:Maize
Start	40079	End	40402
GI	none	Score	354
Exons	40079..40402, 40108..40389		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o4.tw	Method	TBLASTX:Wheat
Start	40216	End	40617
GI	none	Score	368
Exons	40216..40293, 40217..40597, 40314..40457, 40321..40617		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o8.tw	Method	TBLASTX:Wheat
Start	40622	End	41200
GI	none	Score	241
Exons	40622..40882, 40624..40881, 40637..41014, 40738..40908, 41074..41196, 41075..41200		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o10.gs	Method	GENSCAN
Start	41832	End	42164
GI	none	Score	.93
Exons	41832..42164		

Seq. No.	11629	Seq. ID	OJ990630_11.9B15.C6
Gene No.	24671	Strand	-
Start	41832	End	42238
Name	OJ990630_11.9B15.C6.o4.np	Method	AAT/NAP
Start	41835	End	42238
GI	6907089	Score	595
Exons	41835..42238		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11630	Seq. ID	OJ990630_11.9B15.C7
Gene No.	24672	Strand	+
Start	4140	End	7369
Name	OJ990630_11.9B15.C7.o2.gs	Method	GENSCAN
Start	4140	End	7369
GI	none	Score	.64
Exons	4140..4171, 4237..4369, 4405..4573, 4994..5328, 5547..5704, 5786..6144, 6219..6406, 6482..6671, 6744..6848, 6921..7369		

Seq. No.	11630	Seq. ID	OJ990630_11.9B15.C7
Gene No.	24672	Strand	+
Start	4140	End	7369
Name	OJ990630_11.9B15.C7.o2.np	Method	AAT/NAP
Start	4444	End	7366
GI	6691716	Score	2317

Exons	4444..5328, 5526..5704, 5786..6072, 6218..6406, 6482..6593, 6744..6848, 6921..7366		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	11630	Seq. ID	OJ990630_11.9B15.C7
Gene No.	24673	Strand	-
Start	1	End	2038
Name	OJ990630_11.9B15.C7.o1.np	Method	AAT/NAP
Start	1	End	2038
GI	5803259	Score	2674
Exons	1..687, 788..2038		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	11630	Seq. ID	OJ990630_11.9B15.C7
Gene No.	24673	Strand	-
Start	1	End	2038
Name	OJ990630_11.9B15.C7.o1.gs	Method	GENSCAN
Start	10	End	2038
GI	none	Score	.53
Exons	10..687, 788..814, 982..1842, 1909..2038		
Seq. No.	11630	Seq. ID	OJ990630_11.9B15.C7
Gene No.	24674	Strand	
Start	4564	End	4854
Name	OJ990630_11.9B15.C7.o1.tw	Method	TBLASTX:Wheat
Start	4564	End	4854
GI	none	Score	214
Exons	4564..4854		
Seq. No.	11631	Seq. ID	OJ990520_14.9B12.C1
Gene No.	24675	Strand	+
Start	1	End	157
Name	OJ990520_14.9B12.C1.o1.np	Method	AAT/NAP
Start	1	End	157
GI	5777617	Score	111
Exons	1..157		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	11631	Seq. ID	OJ990520_14.9B12.C1
Gene No.	24676	Strand	-
Start	1	End	739
Name	OJ990520_14.9B12.C1.o2.np	Method	AAT/NAP
Start	1	End	739
GI	5734730	Score	86
Exons	1..89, 265..739		
GI Descrip.	(AC007259) glucose transporter [Arabidopsis thaliana]		
Seq. No.	11631	Seq. ID	OJ990520_14.9B12.C1
Gene No.	24676	Strand	-
Start	1	End	739
Name	OJ990520_14.9B12.C1.o1.gs	Method	GENSCAN
Start	247	End	591
GI	none	Score	.98
Exons	247..357, 400..591		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24677	Strand	+
Start	1	End	2245
Name	OJ990520_14.9B12.C4.o1.np	Method	AAT/NAP
Start	1	End	2245
GI	3641252	Score	540
Exons	1..654, 1568..1916, 2203..2245		
GI Descrip.	(AF053127) leucine-rich receptor-like protein kinase [Malus domestica]		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24677	Strand	+
Start	1	End	2245
Name	OJ990520_14.9B12.C4.o1.gp	Method	AAT/GAP
Start	42	End	394
GI	2317325	Score	661
Exons	42..394		
GI Descrip.	3641252 1.0e-11 (AF053127) leucine-rich receptor-like protein kinase [Malus domestica]		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24677	Strand	+
Start	1	End	2245
Name	OJ990520_14.9B12.C4.o1.gs	Method	GENSCAN
Start	53	End	1920
GI	none	Score	.89
Exons	53..654, 1568..1920		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24678	Strand	-
Start	1050	End	1552
Name	OJ990520_14.9B12.C4.o2.gp	Method	AAT/GAP
Start	1050	End	1552
GI	LIB3431-063-P1-K1-A1	Score	836
Exons	1050..1089, 1124..1552		
GI Descrip.	'487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence'		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24679	Strand	-
Start	1562	End	2193
Name	OJ990520_14.9B12.C4.o3.gp	Method	AAT/GAP
Start	1562	End	2193
GI	4685_1.R1084	Score	1199
Exons	1562..2193		
GI Descrip.	'3641252 5.0e-18 (AF053127) leucine-rich receptor-like protein kinase [Malus domestica]'		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o2.ts	Method	TBLASTX:Soybean
Start	132	End	1635
GI	none	Score	62
Exons	132..215, 210..245, 261..407, 297..395, 432..605, 434..595, 609..653, 1567..1635		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o1.tw	Method	TBLASTX:Wheat
Start	275	End	569
GI	none	Score	118
Exons	275..388, 276..401, 431..544, 432..569		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o2.tc	Method	TBLASTX:Cress
Start	276	End	1860
GI	none	Score	108
Exons	276..389, 432..602, 458..598, 1567..1677, 1581..1682, 1732..1860		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o2.tm	Method	TBLASTX:Maize
Start	276	End	1641
GI	none	Score	118
Exons	276..389, 432..620, 626..652, 1567..1641, 1587..1640		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	2542	End	3631
GI	none	Score	129
Exons	2542..2583, 2583..2684, 2590..2685, 2592..2696, 2630..2713, 2671..2880, 2673..2906, 2674..2904, 2884..2958, 2889..2990, 2896..2991, 3089..3316, 3090..3326, 3497..3631, 3497..3595, 3499..3630		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o2.gs	Method	GENSCAN
Start	2562	End	4064
GI	none	Score	.85
Exons	2562..2990, 3092..3316, 3499..3754, 3971..4064		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o2.np	Method	AAT/NAP
Start	2565	End	4121
GI	3540179	Score	804
Exons	2565..2990, 3092..3316, 3499..3860, 3971..4121		
GI Descrip.	(AC004122) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o1.tc	Method	TBLASTX:Cress
Start	2568	End	4071

GI	none	Score	93
Exons	2568..2687, 2694..2879, 2698..2799, 2865..2993, 2893..2937, 3089..3154, 3090..3155, 3161..3316, 3162..3317, 3173..3337, 3499..3588, 3646..3735, 3965..4066, 3970..4071		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o1.ts	Method	TBLASTX:Soybean
Start	2574	End	4069
GI	none	Score	91
Exons	2574..2684, 2694..2879, 2695..2799, 2871..2993, 2889..2993, 3089..3154, 3090..3155, 3161..3316, 3162..3317, 3499..3609, 3628..3735, 3647..3712, 3965..4069, 3970..4065		

Seq. No.	11632	Seq. ID	OJ990520_14.9B12.C4
Gene No.	24680	Strand	-
Start	2562	End	4121
Name	OJ990520_14.9B12.C4.o3.tm	Method	TBLASTX:Maize
Start	3634	End	3877
GI	none	Score	144
Exons	3634..3738, 3634..3738, 3731..3787, 3737..3814, 3800..3859, 3800..3877		

Seq. No.	11633	Seq. ID	OJ990520_14.9B12.C5
Gene No.	24681	Strand	+
Start	90	End	232
Name	OJ990520_14.9B12.C5.o1.gs	Method	GENSCAN
Start	90	End	232
GI	none	Score	.78
Exons	90..232		

Seq. No.	11634	Seq. ID	OJ990520_14.9B12.C6
Gene No.	24682	Strand	-
Start	700	End	1203
Name	OJ990520_14.9B12.C6.o1.gs	Method	GENSCAN
Start	700	End	1203
GI	none	Score	.52
Exons	700..819, 975..1203		

Seq. No.	11635	Seq. ID	OJ990520_14.9B12.C7
Gene No.	24683	Strand	+
Start	1	End	700
Name	OJ990520_14.9B12.C7.o1.np	Method	AAT/NAP
Start	1	End	700
GI	4587554	Score	157
Exons	1..33, 332..700		
GI Descrip.	(AC006577) Similar to gb|AJ005701 Na/Ca,K-exchanger from Caenorhabditis elegans. ESTs gb|T04173 and gb|AA585918 come from this gene. [Arabidopsis thaliana]		

Seq. No.	11635	Seq. ID	OJ990520_14.9B12.C7
Gene No.	24683	Strand	+
Start	1	End	700
Name	OJ990520_14.9B12.C7.o1.gs	Method	GENSCAN
Start	184	End	612
GI	none	Score	.74

Exons	184..612		
Seq. No.	11636	Seq. ID	OJ990520_14.9B12.C11
Gene No.	24684	Strand	+
Start	85	End	1085
Name	OJ990520_14.9B12.C11.o1.gs	Method	GENSCAN
Start	85	End	1085
GI	none	Score	.82
Exons	85..132, 888..1085		
Seq. No.	11637	Seq. ID	OJ990520_14.9B12.C12
Gene No.	24685	Strand	+
Start	374	End	596
Name	OJ990520_14.9B12.C12.o1.gs	Method	GENSCAN
Start	374	End	596
GI	none	Score	.65
Exons	374..421, 588..596		
Seq. No.	11638	Seq. ID	OJ990520_14.9B12.C14
Gene No.	24686	Strand	+
Start	2855	End	5603
Name	OJ990520_14.9B12.C14.o2.np	Method	AAT/NAP
Start	2855	End	5603
GI	4584355	Score	190
Exons	2855..2910, 5236..5603		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		
Seq. No.	11638	Seq. ID	OJ990520_14.9B12.C14
Gene No.	24687	Strand	-
Start	2177	End	5924
Name	OJ990520_14.9B12.C14.o1.np	Method	AAT/NAP
Start	2177	End	5924
GI	5042463	Score	314
Exons	2177..2200, 4001..4099, 4145..4304, 5010..5177, 5855..5924		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	11638	Seq. ID	OJ990520_14.9B12.C14
Gene No.	24687	Strand	-
Start	2177	End	5924
Name	OJ990520_14.9B12.C14.o2.gs	Method	GENSCAN
Start	4792	End	5472
GI	none	Score	.92
Exons	4792..4898, 5010..5120, 5406..5472		
Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o1.gp	Method	AAT/GAP
Start	469	End	1400
GI	98607_1.R1084	Score	1794
Exons	469..1400		
GI Descrip.	'1076290/pir||S51169 2.0e-30 amino acid transporter AAP4 - Arabidopsis thaliana >gi_608671_emb_CAA54631_ (X77500) amino acid transporter [Arabidopsis thaliana]'		
Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-

Start	818	End	4815
Name	OJ990520_14.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	812	End	1510
GI	none	Score	337
Exons	812..1141, 822..1142, 1142..1510, 1143..1508		

Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o1.gs	Method	GENSCAN
Start	818	End	4761
GI	none	Score	.64
Exons	818..1793, 1921..2041, 2107..2340, 2448..2549, 4698..4761		

Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o1.np	Method	AAT/NAP
Start	821	End	2457
GI	1076289	Score	1154
Exons	821..1827, 1921..2014, 2107..2388, 2418..2457		
GI Descrip.	amino acid permease AAP5 - Arabidopsis thaliana gi|608673|emb|CAA54632| (X77501) amino acid permease [Arabidopsis thaliana]		

Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o1.ts	Method	TBLASTX:Soybean
Start	824	End	2345
GI	none	Score	107
Exons	824..1114, 930..1115, 1154..1318, 1313..1558, 1317..1718, 1583..1792, 1947..2027, 2105..2344, 2106..2345		

Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	926	End	2345
GI	none	Score	256
Exons	926..1318, 936..1319, 1313..1573, 1314..1565, 1554..1754, 1565..1777, 1947..2027, 2105..2344, 2106..2345		

Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o1.tw	Method	TBLASTX:Wheat
Start	944	End	1319
GI	none	Score	136
Exons	944..1114, 969..1112, 1160..1318, 1161..1319		

Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o3.tm	Method	TBLASTX:Maize
Start	1511	End	1793
GI	none	Score	60

Exons	1511..1576, 1511..1573, 1565..1777, 1566..1793		
Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o2.tm	Method	TBLASTX:Maize
Start	1891	End	2363
GI	none	Score	77
Exons	1891..1983, 1947..2027, 1951..2025, 2108..2341, 2109..2363		
Seq. No.	11639	Seq. ID	OJ990520_14.9B12.C15
Gene No.	24688	Strand	-
Start	818	End	4815
Name	OJ990520_14.9B12.C15.o2.gp	Method	AAT/GAP
Start	1962	End	4815
GI	5607375	Score	754
Exons	1962..2014, 2107..2340, 4698..4815		
GI Descrip.	1076290/pir||S51169 2.0e-30 amino acid transporter AAP4 - Arabidopsis thaliana >gi_608671_emb_CAA54631_ (X77500) amino acid transporter [Arabidopsis thaliana]		
Seq. No.	11640	Seq. ID	OJ990520_14.9B12.C16
Gene No.	24689	Strand	-
Start	1	End	3488
Name	OJ990520_14.9B12.C16.o1.np	Method	AAT/NAP
Start	1	End	3488
GI	2244866	Score	637
Exons	1..26, 421..999, 3153..3488		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	11640	Seq. ID	OJ990520_14.9B12.C16
Gene No.	24689	Strand	-
Start	1	End	3488
Name	OJ990520_14.9B12.C16.o1.gp	Method	AAT/GAP
Start	174	End	810
GI	57195_1.R1084	Score	1184
Exons	174..810		
GI Descrip.	'2244866/emb|CAB10288.1| 1.0e-28 (Z97337) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	11640	Seq. ID	OJ990520_14.9B12.C16
Gene No.	24689	Strand	-
Start	1	End	3488
Name	OJ990520_14.9B12.C16.o1.tm	Method	TBLASTX:Maize
Start	446	End	3387
GI	none	Score	57
Exons	446..562, 447..563, 501..563, 571..1002, 572..1000, 775..1002, 3147..3386, 3157..3387		
Seq. No.	11640	Seq. ID	OJ990520_14.9B12.C16
Gene No.	24689	Strand	-
Start	1	End	3488
Name	OJ990520_14.9B12.C16.o1.ts	Method	TBLASTX:Soybean
Start	459	End	3383
GI	none	Score	133
Exons	459..563, 571..687, 682..1002, 839..1000, 3147..3272, 3157..3273, 3303..3383		

Seq. No.	11640	Seq. ID	OJ990520_14.9B12.C16
Gene No.	24689	Strand	-
Start	1	End	3488
Name	OJ990520_14.9B12.C16.o1.tc	Method	TBLASTX:Cress
Start	778	End	3272
GI	none	Score	71
Exons	778..948, 827..901, 931..1002, 932..1000, 3147..3200, 3198..3272		

Seq. No.	11640	Seq. ID	OJ990520_14.9B12.C16
Gene No.	24689	Strand	-
Start	1	End	3488
Name	OJ990520_14.9B12.C16.o1.tw	Method	TBLASTX:Wheat
Start	857	End	3387
GI	none	Score	201
Exons	857..1000, 857..1000, 859..1002, 859..1002, 3150..3386, 3151..3387, 3226..3324		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24690	Strand	+
Start	4687	End	5274
Name	OJ990520_14.9B12.C17.o2.gs	Method	GENSCAN
Start	4687	End	5274
GI	none	Score	.95
Exons	4687..5274		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24691	Strand	+
Start	5275	End	5610
Name	OJ990520_14.9B12.C17.o3.gp	Method	AAT/GAP
Start	5275	End	5610
GI	4716463	Score	619
Exons	5275..5610		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24692	Strand	+
Start	11131	End	12704
Name	OJ990520_14.9B12.C17.o2.np	Method	AAT/NAP
Start	11131	End	12704
GI	6723433	Score	1509
Exons	11131..11679, 11853..12704		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24693	Strand	-
Start	945	End	5702
Name	OJ990520_14.9B12.C17.o1.np	Method	AAT/NAP
Start	934	End	5702
GI	2244866	Score	657
Exons	934..1547, 1692..2101, 5681..5702		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24693	Strand	-
Start	945	End	5702
Name	OJ990520_14.9B12.C17.o1.gs	Method	GENSCAN
Start	945	End	1931

GI	none	Score	.87
Exons	945..1547, 1692..1931		
Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24693	Strand	-
Start	945	End	5702
Name	OJ990520_14.9B12.C17.o2.gp	Method	AAT/GAP
Start	3367	End	3717
GI	2442369	Score	614
Exons	3367..3717		
Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24694	Strand	-
Start	6401	End	6694
Name	OJ990520_14.9B12.C17.o3.gs	Method	GENSCAN
Start	6401	End	6694
GI	none	Score	.8
Exons	6401..6694		
Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o2.tc	Method	TBLASTX:Cress
Start	964	End	1220
GI	none	Score	123
Exons	964..1188, 972..1181, 1173..1220		
Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o2.tm	Method	TBLASTX:Maize
Start	978	End	1946
GI	none	Score	165
Exons	978..1181, 979..1173, 1161..1232, 1170..1235, 1174..1296, 1231..1548, 1248..1550, 1260..1550, 1694..1717, 1707..1946, 1720..1932		
Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o1.ts	Method	TBLASTX:Soybean
Start	996	End	1928
GI	none	Score	88
Exons	996..1181, 1030..1188, 1161..1229, 1174..1230, 1230..1550, 1249..1359, 1387..1560, 1521..1565, 1686..1727, 1716..1823, 1720..1818, 1848..1928		
Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o3.tc	Method	TBLASTX:Cress
Start	1326	End	1550
GI	none	Score	73
Exons	1326..1496, 1375..1470, 1479..1550		
Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-

Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o1.tw	Method	TBLASTX:Wheat
Start	1405	End	7835
GI	none	Score	218
Exons	1405..1548, 1407..1550, 1716..1934, 1720..1935, 1753..1869, 7758..7835		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o2.ts	Method	TBLASTX:Soybean
Start	4801	End	7972
GI	none	Score	69
Exons	4801..4863, 4894..5256, 4908..5048, 5094..5255, 7495..7536, 7618..7731, 7619..7726, 7810..7923, 7811..7924, 7934..7972		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o3.tm	Method	TBLASTX:Maize
Start	11512	End	11936
GI	none	Score	260
Exons	11512..11682, 11514..11666, 11517..11687, 11519..11680, 11851..11925, 11852..11929, 11852..11932, 11853..11936, 11865..11933		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o3.ts	Method	TBLASTX:Soybean
Start	11886	End	12173
GI	none	Score	391
Exons	11886..12173, 11886..12170, 11888..12172		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	11945	End	12717
GI	none	Score	1122
Exons	11945..12682, 11946..12692, 11949..12689, 12397..12717		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o1.tc	Method	TBLASTX:Cress
Start	11964	End	12417
GI	none	Score	614
Exons	11964..12416, 11964..12413, 11972..12415, 12280..12417		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o4.ts	Method	TBLASTX:Soybean
Start	12519	End	12698
GI	none	Score	286
Exons	12519..12698, 12519..12692, 12521..12694		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o5.gs	Method	GENSCAN
Start	13507	End	15799
GI	none	Score	.85
Exons	13507..14181, 14301..14359, 14467..14568, 14771..14810, 15235..15342, 15515..15596, 15694..15799		

Seq. No.	11641	Seq. ID	OJ990520_14.9B12.C17
Gene No.	24695	Strand	-
Start	13507	End	15799
Name	OJ990520_14.9B12.C17.o5.ts	Method	TBLASTX:Soybean
Start	13950	End	14182
GI	none	Score	73
Exons	13950..14159, 13951..14181, 13952..14182, 13952..14182		

Seq. No.	11642	Seq. ID	OJ990520_14.9B12.C18
Gene No.	24696	Strand	+
Start	2113	End	2474
Name	OJ990520_14.9B12.C18.o1.gs	Method	GENSCAN
Start	2113	End	2474
GI	none	Score	.91
Exons	2113..2185, 2377..2474		

Seq. No.	11642	Seq. ID	OJ990520_14.9B12.C18
Gene No.	24697	Strand	+
Start	4293	End	5809
Name	OJ990520_14.9B12.C18.o2.np	Method	AAT/NAP
Start	4055	End	5809
GI	3540202	Score	241
Exons	4055..4159, 4254..4452, 5244..5560, 5666..5809		
GI Descrip.	(AC004260) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11642	Seq. ID	OJ990520_14.9B12.C18
Gene No.	24697	Strand	+
Start	4293	End	5809
Name	OJ990520_14.9B12.C18.o2.gs	Method	GENSCAN
Start	4293	End	5735
GI	none	Score	.62
Exons	4293..4452, 5268..5735		

Seq. No.	11642	Seq. ID	OJ990520_14.9B12.C18
Gene No.	24698	Strand	-
Start	1	End	2406
Name	OJ990520_14.9B12.C18.o1.np	Method	AAT/NAP
Start	1	End	2406
GI	5852093	Score	82
Exons	1..27, 1377..1584, 2082..2406		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	11642	Seq. ID	OJ990520_14.9B12.C18
Gene No.	24699	Strand	
Start	4395	End	5557
Name	OJ990520_14.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	4395	End	5557

GI	none	Score	67
Exons	4395..4457, 5333..5557		
Seq. No.	11642	Seq. ID	OJ990520_14.9B12.C18
Gene No.	24699	Strand	
Start	4395	End	5557
Name	OJ990520_14.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	4395	End	5557
GI	none	Score	66
Exons	4395..4454, 5264..5296, 5333..5557, 5416..5556		
Seq. No.	11643	Seq. ID	OJ990520_14.9B12.C19
Gene No.	24700	Strand	+
Start	199	End	494
Name	OJ990520_14.9B12.C19.o1.gs	Method	GENSCAN
Start	199	End	494
GI	none	Score	.51
Exons	199..228, 400..494		
Seq. No.	11643	Seq. ID	OJ990520_14.9B12.C19
Gene No.	24701	Strand	-
Start	1209	End	1645
Name	OJ990520_14.9B12.C19.o2.gs	Method	GENSCAN
Start	1209	End	1645
GI	none	Score	.74
Exons	1209..1366, 1434..1466, 1537..1645		
Seq. No.	11644	Seq. ID	OJ990520_14.9B12.C21
Gene No.	24702	Strand	+
Start	58	End	300
Name	OJ990520_14.9B12.C21.o1.gs	Method	GENSCAN
Start	58	End	300
GI	none	Score	.73
Exons	58..300		
Seq. No.	11645	Seq. ID	OJ990520_14.9B12.C25
Gene No.	24703	Strand	-
Start	52	End	547
Name	OJ990520_14.9B12.C25.o1.np	Method	AAT/NAP
Start	52	End	547
GI	1839022	Score	256
Exons	52..285, 468..547		
GI Descrip.	(Y11121) amino acid carrier [Ricinus communis]		
Seq. No.	11645	Seq. ID	OJ990520_14.9B12.C25
Gene No.	24703	Strand	-
Start	52	End	547
Name	OJ990520_14.9B12.C25.o1.tc	Method	TBLASTX:Cress
Start	58	End	306
GI	none	Score	52
Exons	58..123, 59..124, 130..285, 131..286, 142..306		
Seq. No.	11645	Seq. ID	OJ990520_14.9B12.C25
Gene No.	24703	Strand	-
Start	52	End	547
Name	OJ990520_14.9B12.C25.o1.tm	Method	TBLASTX:Maize
Start	58	End	295

GI	none	Score	329
Exons	58..285, 59..295		

Seq. No.	11645	Seq. ID	OJ990520_14.9B12.C25
Gene No.	24703	Strand	-
Start	52	End	547
Name	OJ990520_14.9B12.C25.o1.ts	Method	TBLASTX:Soybean
Start	58	End	286
GI	none	Score	55
Exons	58..123, 59..124, 130..285, 131..286		

Seq. No.	11645	Seq. ID	OJ990520_14.9B12.C25
Gene No.	24703	Strand	-
Start	52	End	547
Name	OJ990520_14.9B12.C25.o1.gs	Method	GENSCAN
Start	61	End	285
GI	none	Score	.92
Exons	61..285		

Seq. No.	11646	Seq. ID	OJ990520_14.9B12.C29
Gene No.	24704	Strand	-
Start	1	End	1648
Name	OJ990520_14.9B12.C29.o1.np	Method	AAT/NAP
Start	1	End	351
GI	4914361	Score	273
Exons	1..351		
GI Descrip.	(AC007289) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11646	Seq. ID	OJ990520_14.9B12.C29
Gene No.	24704	Strand	-
Start	1	End	1648
Name	OJ990520_14.9B12.C29.o2.np	Method	AAT/NAP
Start	1	End	458
GI	6957519	Score	269
Exons	1..458		
GI Descrip.	(AC022288) putative gag-pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11646	Seq. ID	OJ990520_14.9B12.C29
Gene No.	24704	Strand	-
Start	1	End	1648
Name	OJ990520_14.9B12.C29.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1648
GI	none	Score	51
Exons	1..288, 22..186, 71..238, 1339..1641, 1342..1647, 1520..1648		

Seq. No.	11646	Seq. ID	OJ990520_14.9B12.C29
Gene No.	24704	Strand	-
Start	1	End	1648
Name	OJ990520_14.9B12.C29.o1.tc	Method	TBLASTX:Cress
Start	7	End	1647
GI	none	Score	129
Exons	7..279, 1456..1647		

Seq. No.	11646	Seq. ID	OJ990520_14.9B12.C29
Gene No.	24704	Strand	-
Start	1	End	1648

Name	OJ990520_14.9B12.C29.o1.tm	Method	TBLASTX:Maize
Start	7	End	1617
GI	none	Score	82
Exons	7..168, 1211..1411, 1288..1410, 1414..1617		

Seq. No.	11646	Seq. ID	OJ990520_14.9B12.C29
Gene No.	24704	Strand	-
Start	1	End	1648
Name	OJ990520_14.9B12.C29.o2.tm	Method	TBLASTX:Maize
Start	182	End	524
GI	none	Score	118
Exons	182..409, 184..408, 318..506, 460..507, 463..510, 464..511, 465..524		

Seq. No.	11647	Seq. ID	OJ990520_14.9B12.C30
Gene No.	24705	Strand	+
Start	1521	End	3574
Name	OJ990520_14.9B12.C30.o2.gs	Method	GENSCAN
Start	1521	End	3574
GI	none	Score	.71
Exons	1521..1541, 1685..1890, 2134..2314, 2441..2661, 2748..2881, 2976..3195, 3240..3339, 3386..3574		

Seq. No.	11647	Seq. ID	OJ990520_14.9B12.C30
Gene No.	24705	Strand	+
Start	1521	End	3574
Name	OJ990520_14.9B12.C30.o2.np	Method	AAT/NAP
Start	2181	End	3557
GI	4415931	Score	320
Exons	2181..2314, 2402..2652, 3431..3557		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	11647	Seq. ID	OJ990520_14.9B12.C30
Gene No.	24706	Strand	-
Start	1	End	545
Name	OJ990520_14.9B12.C30.o1.np	Method	AAT/NAP
Start	1	End	518
GI	1345643	Score	137
Exons	1..65, 292..518		
GI Descrip.	FLAVONOID 3',5'-HYDROXYLASE 2 (F3'5'H) (CYTOCHROME P450 75A3) (CYPLXXVA3) gi|629709|pir||S38984 flavonoid 3',5'-hydroxylase Hf2 - garden petunia gi|311654|emb|CAA80265| (Z22544) flavonoid 3',5'-hydroxylase [Petunia x hybrida] gi|738771|prf||2001426A flavonoid 3',5'-hydroxylase [Petunia x hybrida]		

Seq. No.	11647	Seq. ID	OJ990520_14.9B12.C30
Gene No.	24706	Strand	-
Start	1	End	545
Name	OJ990520_14.9B12.C30.o1.gs	Method	GENSCAN
Start	263	End	545
GI	none	Score	.93
Exons	263..545		

Seq. No.	11647	Seq. ID	OJ990520_14.9B12.C30
Gene No.	24707	Strand	
Start	2189	End	2685
Name	OJ990520_14.9B12.C30.o1.tc	Method	TBLASTX:Cress

Start	2189	End	2641
GI	none	Score	99
Exons	2189..2272, 2375..2464, 2376..2438, 2404..2481, 2453..2641, 2459..2605, 2476..2640		
Seq. No.	11647	Seq. ID	OJ990520_14.9B12.C30
Gene No.	24707	Strand	
Start	2189	End	2685
Name	OJ990520_14.9B12.C30.o1.tm	Method	TBLASTX:Maize
Start	2192	End	2685
GI	none	Score	151
Exons	2192..2311, 2363..2671, 2373..2534, 2375..2662, 2401..2685		
Seq. No.	11647	Seq. ID	OJ990520_14.9B12.C30
Gene No.	24707	Strand	
Start	2189	End	2685
Name	OJ990520_14.9B12.C30.o1.ts	Method	TBLASTX:Soybean
Start	2192	End	2653
GI	none	Score	133
Exons	2192..2314, 2239..2313, 2360..2635, 2373..2531, 2375..2653, 2404..2640		
Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24708	Strand	+
Start	49	End	2188
Name	OJ990520_14.9B12.C33.o1.gs	Method	GENSCAN
Start	49	End	2188
GI	none	Score	.66
Exons	49..260, 1809..1831, 1976..2188		
Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24709	Strand	+
Start	14351	End	14522
Name	OJ990520_14.9B12.C33.o1.gp	Method	AAT/GAP
Start	14351	End	14522
GI	uC-osf1M202062f05b1	Score	229
Exons	14351..14522		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24710	Strand	+
Start	15046	End	15217
Name	OJ990520_14.9B12.C33.o2.gp	Method	AAT/GAP
Start	15046	End	15217
GI	uC-osf1M202062f05b1	Score	275
Exons	15046..15217		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24711	Strand	+
Start	16886	End	19695
Name	OJ990520_14.9B12.C33.o4.gs	Method	GENSCAN
Start	16886	End	19476
GI	none	Score	.85
Exons	16886..16887, 17141..17341, 17513..18147, 18455..19476		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24711	Strand	+
Start	16886	End	19695
Name	OJ990520_14.9B12.C33.o1.np	Method	AAT/NAP
Start	17548	End	19482
GI	3540195	Score	1858
Exons	17548..18147, 18455..19482		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24711	Strand	+
Start	16886	End	19695
Name	OJ990520_14.9B12.C33.o3.gp	Method	AAT/GAP
Start	17623	End	18072
GI	2431484	Score	884
Exons	17623..18072		
GI Descrip.	3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24711	Strand	+
Start	16886	End	19695
Name	OJ990520_14.9B12.C33.o4.gp	Method	AAT/GAP
Start	19123	End	19695
GI	31975_1.R1084	Score	1127
Exons	19123..19695		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24712	Strand	-
Start	10108	End	16030
Name	OJ990520_14.9B12.C33.o3.gs	Method	GENSCAN
Start	10108	End	16030
GI	none	Score	.48
Exons	10108..10254, 11405..11454, 11542..11618, 13149..13246, 13395..13675, 14415..14745, 15461..15729, 15901..16030		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o5.tm	Method	TBLASTX:Maize
Start	15039	End	17351
GI	none	Score	46
Exons	15039..15098, 15138..15254, 17142..17351, 17142..17342, 17195..17347		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o2.tm	Method	TBLASTX:Maize
Start	17577	End	18153
GI	none	Score	845
Exons	17577..18149, 17578..18150, 17578..18153		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33

Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o4.tw	Method	TBLASTX:Wheat
Start	17793	End	17941
GI	none	Score	106
Exons	17793..17930, 17794..17937, 17796..17939, 17834..17941		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o4.ts	Method	TBLASTX:Soybean
Start	18039	End	18618
GI	none	Score	147
Exons	18039..18158, 18463..18618, 18483..18608		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o4.tm	Method	TBLASTX:Maize
Start	18453	End	18756
GI	none	Score	257
Exons	18453..18752, 18453..18752, 18454..18756		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o2.tw	Method	TBLASTX:Wheat
Start	18459	End	18656
GI	none	Score	314
Exons	18459..18656, 18460..18654		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o1.tc	Method	TBLASTX:Cress
Start	18526	End	19160
GI	none	Score	88
Exons	18526..18594, 18528..18608, 18588..18998, 18589..19107, 18604..19107, 19110..19160, 19111..19152		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o1.ts	Method	TBLASTX:Soybean
Start	18619	End	19098
GI	none	Score	789
Exons	18619..19098, 18621..18998, 18631..19098		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o1.tm	Method	TBLASTX:Maize
Start	18760	End	19673
GI	none	Score	1150
Exons	18760..19473, 18760..19248, 18762..19415, 19470..19541, 19641..19673		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o1.tw	Method	TBLASTX:Wheat
Start	18949	End	19341
GI	none	Score	707
Exons	18949..19341, 18949..19248, 18951..19340		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o3.ts	Method	TBLASTX:Soybean
Start	19111	End	19377
GI	none	Score	308
Exons	19111..19299, 19113..19298, 19296..19376, 19300..19377		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o3.tm	Method	TBLASTX:Maize
Start	24384	End	25113
GI	none	Score	87
Exons	24384..24491, 24386..24493, 24412..24489, 24417..24500, 24546..24608, 24568..24606, 24603..24842, 24603..25022, 24604..24957, 24894..25022, 24972..25112, 25016..25057, 25030..25113		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o2.np	Method	AAT/NAP
Start	24414	End	26559
GI	1552379	Score	712
Exons	24414..25102, 26493..26559		
GI Descrip.	(Y08155) pectin methylesterase [Silene latifolia ssp. alba]		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o2.ts	Method	TBLASTX:Soybean
Start	24426	End	25103
GI	none	Score	80
Exons	24426..24464, 24549..24683, 24568..24684, 24726..24833, 24855..25100, 24894..25103		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559
Name	OJ990520_14.9B12.C33.o2.tc	Method	TBLASTX:Cress
Start	24429	End	25104
GI	none	Score	239
Exons	24429..24500, 24552..25103, 24568..24942, 24894..25103, 25015..25104		

Seq. No.	11648	Seq. ID	OJ990520_14.9B12.C33
Gene No.	24713	Strand	-
Start	24414	End	26559

Name	OJ990520_14.9B12.C33.o3.tw	Method	TBLASTX:Wheat
Start	24610	End	25058
GI	none	Score	55
Exons	24610..24684, 24612..24683, 24729..24833, 24751..24807, 24756..24824, 24847..24957, 24849..25058, 24894..25058		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24714	Strand	+
Start	8290	End	8603
Name	OJ990520_14.9B12.C34.o3.gp	Method	AAT/GAP
Start	8290	End	8603
GI	287036	Score	528
Exons	8290..8603		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24715	Strand	+
Start	8903	End	10210
Name	OJ990520_14.9B12.C34.o3.np	Method	AAT/NAP
Start	8903	End	10210
GI	5777617	Score	88
Exons	8903..8993, 10102..10210		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24716	Strand	-
Start	120	End	1874
Name	OJ990520_14.9B12.C34.o1.gs	Method	GENSCAN
Start	120	End	1874
GI	none	Score	.93
Exons	120..337, 944..1499, 1566..1874		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24716	Strand	-
Start	120	End	1874
Name	OJ990520_14.9B12.C34.o1.gp	Method	AAT/GAP
Start	1304	End	1821
GI	none	Score	948
Exons	1304..1821		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o3.ts	Method	TBLASTX:Soybean
Start	1053	End	1439
GI	none	Score	150
Exons	1053..1106, 1113..1160, 1167..1214, 1257..1439		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o2.gs	Method	GENSCAN
Start	2716	End	9590
GI	none	Score	.4
Exons	2716..2809, 3144..3228, 4890..5062, 5236..5394, 6080..7042, 7175..7300, 7491..7578, 7674..7737, 7931..8011, 8025..8050, 8263..8371, 8516..8799, 9245..9590		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o1.np	Method	AAT/NAP
Start	4616	End	8164
GI	6862912	Score	660
Exons	4616..4694, 4802..5060, 5207..5394, 6080..6636, 8144..8164		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o4.tm	Method	TBLASTX:Maize
Start	4779	End	4909
GI	none	Score	110
Exons	4779..4907, 4782..4907, 4783..4908, 4784..4909		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o2.tc	Method	TBLASTX:Cress
Start	4790	End	5058
GI	none	Score	138
Exons	4790..5044, 4795..5058		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o2.ts	Method	TBLASTX:Soybean
Start	4792	End	6132
GI	none	Score	102
Exons	4792..5067, 4796..4969, 4813..5064, 5236..5406, 5238..5405, 6079..6132		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o2.gp	Method	AAT/GAP
Start	4847	End	6129
GI	uC-osf1M202123g02b1	Score	794
Exons	4847..5062, 5236..5394, 6080..6129		
GI Descrip.	'6094303/sp|P56707|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT) >gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine methyltransferase [Astragalus bisulcatus]'		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o2.tm	Method	TBLASTX:Maize
Start	4909	End	5405
GI	none	Score	159
Exons	4909..5064, 4909..5067, 4911..5072, 5136..5150, 5236..5397, 5236..5400, 5237..5398, 5238..5405		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-

Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o1.tc	Method	TBLASTX:Cress
Start	5265	End	6633
GI	none	Score	120
Exons	5265..5387, 6100..6207, 6334..6633, 6341..6625		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o1.tm	Method	TBLASTX:Maize
Start	6076	End	6330
GI	none	Score	153
Exons	6076..6261, 6080..6325, 6080..6286, 6082..6330		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o1.tw	Method	TBLASTX:Wheat
Start	6103	End	6513
GI	none	Score	92
Exons	6103..6147, 6223..6285, 6319..6513, 6367..6513		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o1.ts	Method	TBLASTX:Soybean
Start	6253	End	6645
GI	none	Score	325
Exons	6253..6645, 6281..6628		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o3.tm	Method	TBLASTX:Maize
Start	6367	End	6639
GI	none	Score	129
Exons	6367..6639, 6371..6634		

Seq. No.	11649	Seq. ID	OJ990520_14.9B12.C34
Gene No.	24717	Strand	-
Start	2716	End	10355
Name	OJ990520_14.9B12.C34.o2.np	Method	AAT/NAP
Start	6775	End	10355
GI	4587554	Score	153
Exons	6775..6832, 9074..9351, 10282..10355		
GI Descrip.	(AC006577) Similar to gb|AJ005701 Na/Ca,K-exchanger from Caenorhabditis elegans. ESTs gb|T04173 and gb|AA585918 come from this gene. [Arabidopsis thaliana]		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24718	Strand	+
Start	196	End	5499
Name	OJ990520_14.9B12.C35.o1.gs	Method	GENSCAN
Start	196	End	3924
GI	none	Score	.63
Exons	196..201, 2510..2626, 3679..3924		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24718	Strand	+
Start	196	End	5499
Name	OJ990520_14.9B12.C35.o2.np	Method	AAT/NAP
Start	3368	End	5426
GI	3355632	Score	1246
Exons	3368..3541, 4322..4773, 4860..5426		
GI Descrip.	(AJ006957) stearoyl-acyl carrier protein desaturase [Linum usitatissimum]		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24718	Strand	+
Start	196	End	5499
Name	OJ990520_14.9B12.C35.o2.gp	Method	AAT/GAP
Start	4135	End	4602
GI	52838_1.R1084	Score	902
Exons	4135..4602		
GI Descrip.	'3355632/emb|CAA07349| 2.0e-27 (AJ006957) stearoyl-acyl carrier protein desaturase [Linum usitatissimum]'		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24718	Strand	+
Start	196	End	5499
Name	OJ990520_14.9B12.C35.o2.gs	Method	GENSCAN
Start	4199	End	5429
GI	none	Score	.99
Exons	4199..4572, 4611..4773, 4860..5429		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24718	Strand	+
Start	196	End	5499
Name	OJ990520_14.9B12.C35.o3.gp	Method	AAT/GAP
Start	5162	End	5499
GI	487298	Score	543
Exons	5162..5499		
GI Descrip.	487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24719	Strand	-
Start	359	End	1667
Name	OJ990520_14.9B12.C35.o1.np	Method	AAT/NAP
Start	359	End	1667
GI	5777617	Score	101
Exons	359..459, 1631..1667		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24720	Strand	-
Start	6251	End	6617
Name	OJ990520_14.9B12.C35.o1.tc	Method	TBLASTX:Cress
Start	4330	End	5321
GI	none	Score	401
Exons	4330..4626, 4331..4645, 4645..4773, 4656..4775, 4842..5267, 4859..5254, 5271..5321		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35

Gene No.	24720	Strand	-
Start	6251	End	6617
Name	OJ990520_14.9B12.C35.o1.tm	Method	TBLASTX:Maize
Start	4331	End	5420
GI	none	Score	391
Exons	4331..4645, 4333..4644, 4645..4773, 4659..4775, 4842..5267, 4859..5254, 5271..5321, 5388..5420		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24720	Strand	-
Start	6251	End	6617
Name	OJ990520_14.9B12.C35.o1.ts	Method	TBLASTX:Soybean
Start	4331	End	5417
GI	none	Score	54
Exons	4331..4378, 4361..4645, 4366..4641, 4645..4773, 4659..4775, 4842..5267, 4859..5254, 5271..5321, 5388..5417		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24720	Strand	-
Start	6251	End	6617
Name	OJ990520_14.9B12.C35.o1.tw	Method	TBLASTX:Wheat
Start	4968	End	5321
GI	none	Score	345
Exons	4968..5267, 4968..5117, 4970..5254, 5271..5321		

Seq. No.	11650	Seq. ID	OJ990520_14.9B12.C35
Gene No.	24720	Strand	-
Start	6251	End	6617
Name	OJ990520_14.9B12.C35.o3.gs	Method	GENSCAN
Start	6251	End	6617
GI	none	Score	.47
Exons	6251..6258, 6395..6617		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o2.np	Method	AAT/NAP
Start	1	End	4796
GI	6623882	Score	326
Exons	1..21, 2860..3233, 3320..3347, 3475..3595, 3731..3843, 3949..4044, 4397..4455, 4622..4796		
GI Descrip.	(AC018722) putative chromodomain-helicase-DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o1.np	Method	AAT/NAP
Start	1	End	3349
GI	3582328	Score	669
Exons	1..32, 495..1938, 3271..3349		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o1.gs	Method	GENSCAN

Start	499	End	2122
GI	none	Score	.64
Exons	499..2122		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o1.tm	Method	TBLASTX:Maize
Start	533	End	1951
GI	none	Score	91
Exons	533..664, 713..889, 714..938, 791..997, 899..1291, 900..1226, 950..1300, 1001..1387, 1025..1162, 1193..1471, 1238..1420, 1301..1471, 1475..1576, 1589..1792, 1589..1750, 1682..1951, 1682..1942, 1715..1915		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o2.tc	Method	TBLASTX:Cress
Start	539	End	871
GI	none	Score	55
Exons	539..664, 540..644, 719..871, 720..866		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o1.ts	Method	TBLASTX:Soybean
Start	767	End	1807
GI	none	Score	127
Exons	767..1129, 813..1106, 1205..1423, 1682..1807		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o1.tw	Method	TBLASTX:Wheat
Start	893	End	1942
GI	none	Score	404
Exons	893..1144, 1061..1444, 1062..1448, 1364..1483, 1406..1540, 1457..1549, 1507..1575, 1589..1732, 1682..1825, 1742..1942, 1782..1853, 1783..1857		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o1.tc	Method	TBLASTX:Cress
Start	899	End	1951
GI	none	Score	72
Exons	899..985, 998..1540, 999..1157, 1001..1306, 1010..1219, 1193..1291, 1269..1448, 1274..1417, 1304..1480, 1391..1576, 1397..1558, 1490..1579, 1583..1750, 1589..1942, 1664..1951, 1776..1859		

Seq. No.	11651	Seq. ID	OJ990520_14.9B12.C36
Gene No.	24721	Strand	-
Start	1	End	4796
Name	OJ990520_14.9B12.C36.o2.gs	Method	GENSCAN
Start	2596	End	4627

GI	none	Score	.99
Exons	2596..3233, 3320..3347, 4625..4627		

Seq. No.	11652	Seq. ID	OJ990520_14.9B12.C38
Gene No.	24722	Strand	-
Start	1	End	904
Name	OJ990520_14.9B12.C38.o1.np	Method	AAT/NAP
Start	1	End	904
GI	1076289	Score	120
Exons	1..103, 858..904		
GI Descrip.	amino acid permease AAP5 - Arabidopsis thaliana gi|608673|emb|CAA54632| (X77501) amino acid permease [Arabidopsis thaliana]		

Seq. No.	11652	Seq. ID	OJ990520_14.9B12.C38
Gene No.	24722	Strand	-
Start	1	End	904
Name	OJ990520_14.9B12.C38.o1.gs	Method	GENSCAN
Start	12	End	760
GI	none	Score	.61
Exons	12..103, 625..760		

Seq. No.	11653	Seq. ID	OJ990520_14.9B12.C41
Gene No.	24723	Strand	-
Start	556	End	708
Name	OJ990520_14.9B12.C41.o1.gs	Method	GENSCAN
Start	556	End	708
GI	none	Score	.48
Exons	556..708		

Seq. No.	11654	Seq. ID	OJ990520_14.9B12.C45
Gene No.	24724	Strand	+
Start	175	End	259
Name	OJ990520_14.9B12.C45.o1.gs	Method	GENSCAN
Start	175	End	259
GI	none	Score	.49
Exons	175..259		

Seq. No.	11655	Seq. ID	OJ990520_14.9B12.C46
Gene No.	24725	Strand	+
Start	425	End	505
Name	OJ990520_14.9B12.C46.o1.gs	Method	GENSCAN
Start	425	End	505
GI	none	Score	.83
Exons	425..505		

Seq. No.	11656	Seq. ID	OJ990520_14.9B12.C47
Gene No.	24726	Strand	-
Start	208	End	235
Name	OJ990520_14.9B12.C47.o1.gs	Method	GENSCAN
Start	208	End	235
GI	none	Score	.52
Exons	208..235		

Seq. No.	11657	Seq. ID	OJ990520_14.9B12.C48
Gene No.	24727	Strand	+
Start	185	End	691

Name	OJ990520_14.9B12.C48.o1.gp	Method	AAT/GAP
Start	185	End	691
GI	4685_1.R1084	Score	965
Exons	185..691		
GI Descrip.	'3641252 5.0e-18 (AF053127) leucine-rich receptor-like protein kinase [Malus domestica]'		

Seq. No.	11657	Seq. ID	OJ990520_14.9B12.C48
Gene No.	24728	Strand	-
Start	407	End	691
Name	OJ990520_14.9B12.C48.o1.np	Method	AAT/NAP
Start	407	End	691
GI	6560764	Score	149
Exons	407..691		
GI Descrip.	(AC010155) F3M18.12 [Arabidopsis thaliana]		

Seq. No.	11658	Seq. ID	OJ990520_14.9B12.C50
Gene No.	24729	Strand	-
Start	177	End	718
Name	OJ990520_14.9B12.C50.o1.gs	Method	GENSCAN
Start	177	End	718
GI	none	Score	.55
Exons	177..305, 505..554, 642..718		

Seq. No.	11659	Seq. ID	OJ990520_11.9B12.C1
Gene No.	24730	Strand	-
Start	653	End	821
Name	OJ990520_11.9B12.C1.o1.gs	Method	GENSCAN
Start	653	End	821
GI	none	Score	.83
Exons	653..663, 743..821		

Seq. No.	11660	Seq. ID	OJ990520_11.9B12.C3
Gene No.	24731	Strand	+
Start	1295	End	1657
Name	OJ990520_11.9B12.C3.o1.gs	Method	GENSCAN
Start	1295	End	1657
GI	none	Score	.99
Exons	1295..1657		

Seq. No.	11660	Seq. ID	OJ990520_11.9B12.C3
Gene No.	24732	Strand	+
Start	1786	End	1959
Name	OJ990520_11.9B12.C3.o1.gp	Method	AAT/GAP
Start	1786	End	1959
GI	2443199	Score	307
Exons	1786..1959		

Seq. No.	11661	Seq. ID	OJ990520_11.9B12.C4
Gene No.	24733	Strand	+
Start	86	End	540
Name	OJ990520_11.9B12.C4.o1.gs	Method	GENSCAN
Start	86	End	540
GI	none	Score	.99
Exons	86..540		

Seq. No.	11661	Seq. ID	OJ990520_11.9B12.C4

Gene No.	24734	Strand	-
Start	510	End	1953
Name	OJ990520_11.9B12.C4.o1.np	Method	AAT/NAP
Start	510	End	1953
GI	6907088	Score	1017
Exons	510..906, 1402..1640, 1816..1953		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11662	Seq. ID	OJ990520_11.9B12.C7
Gene No.	24735	Strand	+
Start	582	End	1820
Name	OJ990520_11.9B12.C7.o1.gs	Method	GENSCAN
Start	582	End	1820
GI	none	Score	.73
Exons	582..685, 1545..1820		

Seq. No.	11663	Seq. ID	OJ990520_11.9B12.C8
Gene No.	24736	Strand	+
Start	74	End	4065
Name	OJ990520_11.9B12.C8.o1.gs	Method	GENSCAN
Start	74	End	4065
GI	none	Score	.78
Exons	74..469, 530..601, 694..958, 1087..1175, 3081..3203, 3962..4065		

Seq. No.	11663	Seq. ID	OJ990520_11.9B12.C8
Gene No.	24736	Strand	+
Start	74	End	4065
Name	OJ990520_11.9B12.C8.o2.gp	Method	AAT/GAP
Start	2656	End	2765
GI	uC-osflcyp088b12b1	Score	153
Exons	2656..2765		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11663	Seq. ID	OJ990520_11.9B12.C8
Gene No.	24737	Strand	-
Start	1	End	4173
Name	OJ990520_11.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	4173
GI	5295955	Score	253
Exons	1..185, 552..1014, 1959..2082, 4112..4173		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	11664	Seq. ID	OJ990520_11.9B12.C9
Gene No.	24738	Strand	-
Start	1	End	1623
Name	OJ990520_11.9B12.C9.o1.np	Method	AAT/NAP
Start	1	End	1230
GI	2213632	Score	643
Exons	1..36, 428..1230		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	11664	Seq. ID	OJ990520_11.9B12.C9
Gene No.	24738	Strand	-
Start	1	End	1623
Name	OJ990520_11.9B12.C9.o1.gs	Method	GENSCAN

Start	293	End	1623
GI	none	Score	.46
Exons	293..731, 788..1623		

Seq. No.	11664	Seq. ID	OJ990520_11.9B12.C9
Gene No.	24738	Strand	-
Start	1	End	1623
Name	OJ990520_11.9B12.C9.o2.tm	Method	TBLASTX:Maize
Start	509	End	846
GI	none	Score	38
Exons	509..574, 512..571, 554..616, 790..846	614..796, 687..755, 701..787,	

Seq. No.	11664	Seq. ID	OJ990520_11.9B12.C9
Gene No.	24738	Strand	-
Start	1	End	1623
Name	OJ990520_11.9B12.C9.o1.tw	Method	TBLASTX:Wheat
Start	521	End	942
GI	none	Score	142
Exons	521..766, 521..748, 760..942,	790..921, 791..940	

Seq. No.	11664	Seq. ID	OJ990520_11.9B12.C9
Gene No.	24738	Strand	-
Start	1	End	1623
Name	OJ990520_11.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	847	End	1278
GI	none	Score	78
Exons	847..930, 860..931, 937..1035,	937..1278, 950..1090, 1065..1139	

Seq. No.	11664	Seq. ID	OJ990520_11.9B12.C9
Gene No.	24738	Strand	-
Start	1	End	1623
Name	OJ990520_11.9B12.C9.o2.tw	Method	TBLASTX:Wheat
Start	952	End	1116
GI	none	Score	140
Exons	952..1116, 953..1105		

Seq. No.	11665	Seq. ID	OJ990520_11.9B12.C10
Gene No.	24739	Strand	+
Start	102	End	4133
Name	OJ990520_11.9B12.C10.o1.np	Method	AAT/NAP
Start	102	End	4133
GI	6630682	Score	302
Exons	102..148, 1170..1385, 2791..2859, 4103..4133		
GI Descrip.	(AP000969) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815074|dbj|BAA90361.1| (AP001080) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11666	Seq. ID	OJ990520_11.9B12.C11
Gene No.	24740	Strand	+
Start	1	End	2509
Name	OJ990520_11.9B12.C11.o1.np	Method	AAT/NAP
Start	1	End	675
GI	5734621	Score	62
Exons	1..71, 495..675		

GI Descrip. (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]

Seq. No.	11666	Seq. ID	OJ990520_11.9B12.C11
Gene No.	24740	Strand	+
Start	1	End	2509
Name	OJ990520_11.9B12.C11.o2.np	Method	AAT/NAP
Start	1	End	2509
GI	5262797	Score	140
Exons	1..80, 1671..1764, 2018..2071, 2186..2256, 2462..2509		
GI Descrip.	(AL080282) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	11666	Seq. ID	OJ990520_11.9B12.C11
Gene No.	24740	Strand	+
Start	1	End	2509
Name	OJ990520_11.9B12.C11.o1.gs	Method	GENSCAN
Start	1523	End	2256
GI	none	Score	.65
Exons	1523..1764, 2018..2071, 2186..2256		

Seq. No.	11667	Seq. ID	OJ990520_11.9B12.C12
Gene No.	24741	Strand	+
Start	1	End	1913
Name	OJ990520_11.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	1913
GI	3377941	Score	209
Exons	1..20, 379..486, 825..1294, 1371..1492, 1716..1913		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	11667	Seq. ID	OJ990520_11.9B12.C12
Gene No.	24741	Strand	+
Start	1	End	1913
Name	OJ990520_11.9B12.C12.o1.gs	Method	GENSCAN
Start	389	End	1897
GI	none	Score	.8
Exons	389..502, 835..1307, 1613..1897		

Seq. No.	11668	Seq. ID	OJ990520_11.9B12.C13
Gene No.	24742	Strand	+
Start	1	End	1879
Name	OJ990520_11.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	1879
GI	3377941	Score	568
Exons	1..34, 107..281, 401..501, 596..842, 896..1081, 1159..1212, 1312..1477, 1573..1685, 1847..1879		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	11668	Seq. ID	OJ990520_11.9B12.C13
Gene No.	24742	Strand	+
Start	1	End	1879
Name	OJ990520_11.9B12.C13.o1.gs	Method	GENSCAN
Start	66	End	1691
GI	none	Score	.95
Exons	66..281, 401..501, 596..782, 1312..1477, 1573..1691		

Seq. No.	11668	Seq. ID	OJ990520_11.9B12.C13

Gene No.	24742	Strand	+
Start	1	End	1879
Name	OJ990520_11.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	249	End	1711
GI	none	Score	35
Exons	249..281, 404..502, 596..736, 597..737, 729..779, 908..1006, 1309..1491, 1326..1460, 1565..1711, 1575..1703		

Seq. No.	11668	Seq. ID	OJ990520_11.9B12.C13
Gene No.	24742	Strand	+
Start	1	End	1879
Name	OJ990520_11.9B12.C13.o1.ts	Method	TBLASTX:Soybean
Start	597	End	1491
GI	none	Score	181
Exons	597..782, 911..997, 1309..1464, 1323..1460, 1327..1491, 1362..1490		

Seq. No.	11669	Seq. ID	OJ990520_11.9B12.C14
Gene No.	24743	Strand	+
Start	1	End	1244
Name	OJ990520_11.9B12.C14.o1.np	Method	AAT/NAP
Start	1	End	918
GI	3377941	Score	254
Exons	1..201, 580..918		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	11669	Seq. ID	OJ990520_11.9B12.C14
Gene No.	24743	Strand	+
Start	1	End	1244
Name	OJ990520_11.9B12.C14.o1.gs	Method	GENSCAN
Start	83	End	1244
GI	none	Score	.58
Exons	83..201, 580..861, 1131..1244		

Seq. No.	11669	Seq. ID	OJ990520_11.9B12.C14
Gene No.	24744	Strand	-
Start	2558	End	2761
Name	OJ990520_11.9B12.C14.o2.np	Method	AAT/NAP
Start	2194	End	2761
GI	1046373	Score	129
Exons	2194..2761		
GI Descrip.	(U37336) SAG12 protein [Arabidopsis thaliana]		

Seq. No.	11669	Seq. ID	OJ990520_11.9B12.C14
Gene No.	24744	Strand	-
Start	2558	End	2761
Name	OJ990520_11.9B12.C14.o2.gs	Method	GENSCAN
Start	2558	End	2752
GI	none	Score	.53
Exons	2558..2752		

Seq. No.	11670	Seq. ID	OJ990520_11.9B12.C15
Gene No.	24745	Strand	+
Start	288	End	513
Name	OJ990520_11.9B12.C15.o1.gs	Method	GENSCAN
Start	288	End	513
GI	none	Score	.71

Exons	288..513		
Seq. No.	11671	Seq. ID	OJ990520_11.9B12.C18
Gene No.	24746	Strand	-
Start	115	End	314
Name	OJ990520_11.9B12.C18.o1.gs	Method	GENSCAN
Start	115	End	314
GI	none	Score	.94
Exons	115..314		
Seq. No.	11672	Seq. ID	OJ990520_11.9B12.C19
Gene No.	24747	Strand	-
Start	1	End	729
Name	OJ990520_11.9B12.C19.o1.np	Method	AAT/NAP
Start	1	End	729
GI	6907088	Score	254
Exons	1..282, 707..729		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	11672	Seq. ID	OJ990520_11.9B12.C19
Gene No.	24747	Strand	-
Start	1	End	729
Name	OJ990520_11.9B12.C19.o2.np	Method	AAT/NAP
Start	1	End	729
GI	6069659	Score	118
Exons	1..123, 480..586, 701..729		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	11672	Seq. ID	OJ990520_11.9B12.C19
Gene No.	24747	Strand	-
Start	1	End	729
Name	OJ990520_11.9B12.C19.o1.gs	Method	GENSCAN
Start	461	End	601
GI	none	Score	.46
Exons	461..601		
Seq. No.	11673	Seq. ID	OJ990520_11.9B12.C21
Gene No.	24748	Strand	+
Start	27	End	642
Name	OJ990520_11.9B12.C21.o1.gs	Method	GENSCAN
Start	27	End	642
GI	none	Score	.73
Exons	27..77, 481..642		
Seq. No.	11673	Seq. ID	OJ990520_11.9B12.C21
Gene No.	24749	Strand	-
Start	591	End	6087
Name	OJ990520_11.9B12.C21.o1.np	Method	AAT/NAP
Start	591	End	6087
GI	6006359	Score	73
Exons	591..716, 6026..6087		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	11673	Seq. ID	OJ990520_11.9B12.C21
Gene No.	24749	Strand	-
Start	591	End	6087
Name	OJ990520_11.9B12.C21.o2.gs	Method	GENSCAN

Start	2210	End	3167
GI	none	Score	.9
Exons	2210..2303, 3082..3167		

Seq. No.	11673	Seq. ID	OJ990520_11.9B12.C21
Gene No.	24750	Strand	-
Start	6884	End	7077
Name	OJ990520_11.9B12.C21.o1.gp	Method	AAT/GAP
Start	6884	End	7077
GI	2227_1.R1084	Score	283
Exons	6884..7077		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24751	Strand	+
Start	163	End	2174
Name	OJ990520_11.9B12.C25.o1.gs	Method	GENSCAN
Start	163	End	2174
GI	none	Score	.48
Exons	163..195, 1428..1535, 1852..1903, 2146..2174		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24752	Strand	+
Start	2771	End	5595
Name	OJ990520_11.9B12.C25.o1.np	Method	AAT/NAP
Start	2771	End	5595
GI	6714482	Score	1544
Exons	2771..3028, 3105..3254, 3320..3578, 3682..3900, 4586..4728, 5296..5595		
GI Descrip.	(AC008261) unknown protin [Arabidopsis thaliana]		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24752	Strand	+
Start	2771	End	5595
Name	OJ990520_11.9B12.C25.o2.gs	Method	GENSCAN
Start	2771	End	5595
GI	none	Score	.88
Exons	2771..3028, 3105..3215, 3320..3578, 3649..3909, 4517..4728, 5296..5595		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24753	Strand	-
Start	7037	End	7334
Name	OJ990520_11.9B12.C25.o3.gs	Method	GENSCAN
Start	7037	End	7334
GI	none	Score	.72
Exons	7037..7055, 7249..7334		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24754	Strand	-
Start	7447	End	7721
Name	OJ990520_11.9B12.C25.o1.ts	Method	TBLASTX:Soybean
Start	2956	End	3541
GI	none	Score	37
Exons	2956..3027, 3008..3034, 3102..3254, 3104..3262, 3314..3469, 3317..3541, 3319..3540		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24754	Strand	-
Start	7447	End	7721
Name	OJ990520_11.9B12.C25.o1.tm	Method	TBLASTX:Maize
Start	3194	End	3498
GI	none	Score	102
Exons	3194..3262, 3195..3254, 3317..3496, 3317..3475, 3325..3498		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24754	Strand	-
Start	7447	End	7721
Name	OJ990520_11.9B12.C25.o1.tc	Method	TBLASTX:Cress
Start	3368	End	3832
GI	none	Score	327
Exons	3368..3580, 3370..3582, 3680..3802, 3681..3803, 3800..3832		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24754	Strand	-
Start	7447	End	7721
Name	OJ990520_11.9B12.C25.o2.ts	Method	TBLASTX:Soybean
Start	3541	End	5595
GI	none	Score	59
Exons	3541..3582, 3542..3580, 3680..3910, 3681..3902, 4577..4729, 4584..4730, 4584..4745, 4585..4731, 5274..5408, 5278..5595, 5286..5330, 5396..5584, 5442..5594		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24754	Strand	-
Start	7447	End	7721
Name	OJ990520_11.9B12.C25.o2.tm	Method	TBLASTX:Maize
Start	3690	End	4643
GI	none	Score	344
Exons	3690..3902, 3693..3899, 3694..3900, 4578..4637, 4584..4643, 4585..4641		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24754	Strand	-
Start	7447	End	7721
Name	OJ990520_11.9B12.C25.o2.tc	Method	TBLASTX:Cress
Start	5320	End	5592
GI	none	Score	309
Exons	5320..5592, 5448..5591		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24754	Strand	-
Start	7447	End	7721
Name	OJ990520_11.9B12.C25.o3.tm	Method	TBLASTX:Maize
Start	5349	End	5595
GI	none	Score	211
Exons	5349..5573, 5350..5595, 5353..5568, 5442..5594		

Seq. No.	11674	Seq. ID	OJ990520_11.9B12.C25
Gene No.	24754	Strand	-
Start	7447	End	7721
Name	OJ990520_11.9B12.C25.o1.gp	Method	AAT/GAP
Start	7447	End	7721

GI	2443199	Score	526
Exons	7447..7721		

Seq. No.	11675	Seq. ID	OJ990520_11.9B12.C26
Gene No.	24755	Strand	+
Start	67	End	362
Name	OJ990520_11.9B12.C26.o1.gs	Method	GENSCAN
Start	67	End	362
GI	none	Score	.47
Exons	67..362		

Seq. No.	11676	Seq. ID	OJ990520_11.9B12.C27
Gene No.	24756	Strand	-
Start	416	End	5298
Name	OJ990520_11.9B12.C27.o1.gs	Method	GENSCAN
Start	416	End	5298
GI	none	Score	.62
Exons	416..829, 914..1734, 1837..1966, 2861..2930, 3005..3056, 4981..5053, 5170..5298		

Seq. No.	11676	Seq. ID	OJ990520_11.9B12.C27
Gene No.	24756	Strand	-
Start	416	End	5298
Name	OJ990520_11.9B12.C27.o1.gp	Method	AAT/GAP
Start	2158	End	5245
GI	none	Score	1110
Exons	2158..2374, 2565..2695, 2861..2930, 3005..3056, 4981..5053, 5170..5245		

Seq. No.	11677	Seq. ID	OJ990520_11.9B12.C28
Gene No.	24757	Strand	+
Start	2252	End	2411
Name	OJ990520_11.9B12.C28.o1.gp	Method	AAT/GAP
Start	2252	End	2411
GI	46209_1.R1084	Score	295
Exons	2252..2411		
GI Descrip.	'3482921 7.0e-17 (AC003970) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	11677	Seq. ID	OJ990520_11.9B12.C28
Gene No.	24758	Strand	-
Start	1713	End	2444
Name	OJ990520_11.9B12.C28.o1.gs	Method	GENSCAN
Start	1713	End	2444
GI	none	Score	.89
Exons	1713..1905, 1938..2077, 2296..2444		

Seq. No.	11678	Seq. ID	OJ990520_11.9B12.C29
Gene No.	24759	Strand	+
Start	1	End	3921
Name	OJ990520_11.9B12.C29.o1.np	Method	AAT/NAP
Start	1	End	3921
GI	119714	Score	211
Exons	1..41, 375..634, 1494..1726, 2904..3562, 3633..3921		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA		

1-620) [Nicotiana tabacum]

Seq. No.	11678	Seq. ID	OJ990520_11.9B12.C29
Gene No.	24759	Strand	+
Start	1	End	3921
Name	OJ990520_11.9B12.C29.o1.gs	Method	GENSCAN
Start	260	End	3711
GI	none	Score	.44
Exons	260..612, 1372..1690, 2895..2996, 3036..3400, 3475..3573, 3633..3711		

Seq. No.	11678	Seq. ID	OJ990520_11.9B12.C29
Gene No.	24759	Strand	+
Start	1	End	3921
Name	OJ990520_11.9B12.C29.o1.gp	Method	AAT/GAP
Start	1229	End	1619
GI	2312683	Score	751
Exons	1229..1619		

Seq. No.	11678	Seq. ID	OJ990520_11.9B12.C29
Gene No.	24760	Strand	-
Start	4274	End	4351
Name	OJ990520_11.9B12.C29.o1.tm	Method	TBLASTX:Maize
Start	277	End	612
GI	none	Score	312
Exons	277..612, 296..607		

Seq. No.	11678	Seq. ID	OJ990520_11.9B12.C29
Gene No.	24760	Strand	-
Start	4274	End	4351
Name	OJ990520_11.9B12.C29.o1.tc	Method	TBLASTX:Cress
Start	296	End	612
GI	none	Score	277
Exons	296..610, 340..612		

Seq. No.	11678	Seq. ID	OJ990520_11.9B12.C29
Gene No.	24760	Strand	-
Start	4274	End	4351
Name	OJ990520_11.9B12.C29.o1.ts	Method	TBLASTX:Soybean
Start	347	End	589
GI	none	Score	255
Exons	347..589, 349..579		

Seq. No.	11678	Seq. ID	OJ990520_11.9B12.C29
Gene No.	24760	Strand	-
Start	4274	End	4351
Name	OJ990520_11.9B12.C29.o1.tw	Method	TBLASTX:Wheat
Start	415	End	612
GI	none	Score	225
Exons	415..612, 416..610		

Seq. No.	11678	Seq. ID	OJ990520_11.9B12.C29
Gene No.	24760	Strand	-
Start	4274	End	4351
Name	OJ990520_11.9B12.C29.o2.gs	Method	GENSCAN
Start	4274	End	4351
GI	none	Score	.65

Exons	4274..4351		
Seq. No.	11679	Seq. ID	OJ990520_11.9B12.C31
Gene No.	24761	Strand	+
Start	1	End	261
Name	OJ990520_11.9B12.C31.o1.np	Method	AAT/NAP
Start	1	End	261
GI	5852093	Score	88
Exons	1..261		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	11680	Seq. ID	OJ990520_11.9B12.C34
Gene No.	24762	Strand	-
Start	15	End	56
Name	OJ990520_11.9B12.C34.o1.gs	Method	GENSCAN
Start	15	End	56
GI	none	Score	1
Exons	15..56		
Seq. No.	11681	Seq. ID	OJ990520_11.9B12.C35
Gene No.	24763	Strand	-
Start	1	End	2884
Name	OJ990520_11.9B12.C35.o1.np	Method	AAT/NAP
Start	1	End	1643
GI	6498441	Score	1975
Exons	1..255, 586..1643		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	11681	Seq. ID	OJ990520_11.9B12.C35
Gene No.	24763	Strand	-
Start	1	End	2884
Name	OJ990520_11.9B12.C35.o1.tw	Method	TBLASTX:Wheat
Start	2	End	371
GI	none	Score	118
Exons	2..370, 9..176, 198..371		
Seq. No.	11681	Seq. ID	OJ990520_11.9B12.C35
Gene No.	24763	Strand	-
Start	1	End	2884
Name	OJ990520_11.9B12.C35.o1.gs	Method	GENSCAN
Start	26	End	2747
GI	none	Score	.45
Exons	26..682, 733..2166, 2223..2429, 2685..2747		
Seq. No.	11681	Seq. ID	OJ990520_11.9B12.C35
Gene No.	24763	Strand	-
Start	1	End	2884
Name	OJ990520_11.9B12.C35.o2.tw	Method	TBLASTX:Wheat
Start	1102	End	1654
GI	none	Score	92
Exons	1102..1359, 1136..1375, 1342..1440, 1343..1435, 1447..1494, 1619..1654		
Seq. No.	11681	Seq. ID	OJ990520_11.9B12.C35
Gene No.	24763	Strand	-

Start	1	End	2884
Name	OJ990520_11.9B12.C35.o1.tm	Method	TBLASTX:Maize
Start	1204	End	1489
GI	none	Score	92
Exons	1204..1452, 1205..1489		

Seq. No.	11681	Seq. ID	OJ990520_11.9B12.C35
Gene No.	24763	Strand	-
Start	1	End	2884
Name	OJ990520_11.9B12.C35.o2.np	Method	AAT/NAP
Start	2376	End	2884
GI	5042454	Score	264
Exons	2376..2429, 2685..2884		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11682	Seq. ID	OJ990520_11.9B12.C37
Gene No.	24764	Strand	-
Start	306	End	531
Name	OJ990520_11.9B12.C37.o1.gs	Method	GENSCAN
Start	306	End	531
GI	none	Score	.73
Exons	306..531		

Seq. No.	11683	Seq. ID	OJ990520_11.9B12.C41
Gene No.	24765	Strand	-
Start	132	End	232
Name	OJ990520_11.9B12.C41.o1.gs	Method	GENSCAN
Start	132	End	232
GI	none	Score	.47
Exons	132..232		

Seq. No.	11684	Seq. ID	OJ990520_11.9B12.C43
Gene No.	24766	Strand	+
Start	1	End	366
Name	OJ990520_11.9B12.C43.o1.np	Method	AAT/NAP
Start	1	End	366
GI	6498441	Score	211
Exons	1..366		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11685	Seq. ID	OJ990520_11.9B12.C49
Gene No.	24767	Strand	-
Start	1	End	621
Name	OJ990520_11.9B12.C49.o1.np	Method	AAT/NAP
Start	1	End	621
GI	5295955	Score	151
Exons	1..371, 503..621		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	11685	Seq. ID	OJ990520_11.9B12.C49
Gene No.	24767	Strand	-
Start	1	End	621
Name	OJ990520_11.9B12.C49.o1.gs	Method	GENSCAN
Start	218	End	341

GI	none	Score	.42
Exons	218..341		
Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24768	Strand	+
Start	294	End	3614
Name	OJ990730_11.9B08.C1.o1.gs	Method	GENSCAN
Start	294	End	3032
GI	none	Score	.77
Exons	294..437, 516..828, 1092..1213, 1391..1498, 1578..1823, 2052..2197, 2279..2396, 2550..2709, 2793..2824, 2910..2975, 3006..3032		
Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24768	Strand	+
Start	294	End	3614
Name	OJ990730_11.9B08.C1.o1.np	Method	AAT/NAP
Start	294	End	3460
GI	1653767	Score	1204
Exons	294..437, 516..746, 829..919, 1110..1213, 1391..1498, 1578..1823, 2052..2197, 2279..2396, 2550..2709, 2793..2824, 2910..2975, 3174..3245, 3383..3460		
GI Descrip.	(D90916) oligopeptidase A [Synechocystis sp.]		
Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24768	Strand	+
Start	294	End	3614
Name	OJ990730_11.9B08.C1.o1.gp	Method	AAT/GAP
Start	1390	End	1802
GI	2310326	Score	603
Exons	1390..1498, 1578..1802		
GI Descrip.	1653767/dbj|BAA18678| 3.0e-23 (D90916) oligopeptidase A [Synechocystis sp.]		
Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24768	Strand	+
Start	294	End	3614
Name	OJ990730_11.9B08.C1.o2.gp	Method	AAT/GAP
Start	2035	End	3614
GI	13835_1.R1084	Score	1465
Exons	2035..2197, 2279..2396, 2550..2709, 2793..2824, 2910..2975, 3174..3245, 3383..3614		
GI Descrip.	'1653767/dbj|BAA18678| 2.0e-71 (D90916) oligopeptidase A [Synechocystis sp.]'		
Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24769	Strand	-
Start	4001	End	4477
Name	OJ990730_11.9B08.C1.o2.ts	Method	TBLASTX:Soybean
Start	291	End	725
GI	none	Score	140
Exons	291..386, 293..394, 515..694, 516..725		
Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24769	Strand	-
Start	4001	End	4477
Name	OJ990730_11.9B08.C1.o2.tc	Method	TBLASTX:Cress

Start	306	End	1207
GI	none	Score	115
Exons	306..386, 317..454, 317..394, 327..422, 508..747, 508..747, 513..749, 516..794, 802..915, 826..918, 828..920, 1079..1201, 1091..1207		

Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24769	Strand	-
Start	4001	End	4477
Name	OJ990730_11.9B08.C1.o1.tm	Method	TBLASTX:Maize
Start	362	End	1802
GI	none	Score	80
Exons	362..439, 363..455, 513..683, 514..747, 514..747, 516..794, 803..922, 826..918, 828..920, 1091..1213, 1091..1213, 1388..1501, 1390..1500, 1557..1802, 1573..1791, 1577..1801, 1578..1802		

Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24769	Strand	-
Start	4001	End	4477
Name	OJ990730_11.9B08.C1.o1.ts	Method	TBLASTX:Soybean
Start	1091	End	3468
GI	none	Score	165
Exons	1091..1213, 1091..1213, 1388..1501, 1390..1500, 1556..1825, 1557..1826, 1576..1851, 2037..2195, 2051..2197, 2052..2198, 2277..2405, 2281..2358, 2538..2711, 2540..2710, 2564..2713, 2572..2712, 2785..2823, 2785..2823, 2907..2975, 2909..2971, 3150..3248, 3173..3262, 3185..3262, 3377..3442, 3382..3468		

Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24769	Strand	-
Start	4001	End	4477
Name	OJ990730_11.9B08.C1.o1.tc	Method	TBLASTX:Cress
Start	1388	End	3459
GI	none	Score	120
Exons	1388..1501, 1390..1500, 1557..1826, 1574..1828, 1576..1653, 1577..1825, 2037..2195, 2051..2197, 2052..2198, 2277..2384, 2277..2384, 2791..2823, 2799..2822, 2907..2975, 2908..2958, 2909..2965, 3377..3442, 3382..3459		

Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24769	Strand	-
Start	4001	End	4477
Name	OJ990730_11.9B08.C1.o2.tm	Method	TBLASTX:Maize
Start	2036	End	3465
GI	none	Score	264
Exons	2036..2200, 2037..2201, 2052..2198, 2245..2400, 2277..2405, 2281..2406, 2538..2711, 2540..2713, 2540..2710, 2547..2720, 2548..2724, 2742..2822, 2787..2822, 2788..2823, 2901..2975, 2902..2982, 2908..2979, 3150..3248, 3171..3248, 3173..3274, 3185..3262, 3377..3442, 3380..3457, 3382..3465, 3382..3465		

Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24769	Strand	-
Start	4001	End	4477
Name	OJ990730_11.9B08.C1.o2.np	Method	AAT/NAP
Start	3809	End	4477

GI	4558664	Score	244
Exons	3809..3942, 4053..4477		
GI Descrip.	(AC007063) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11686	Seq. ID	OJ990730_11.9B08.C1
Gene No.	24769	Strand	-
Start	4001	End	4477
Name	OJ990730_11.9B08.C1.o2.gs	Method	GENSCAN
Start	4001	End	4459
GI	none	Score	.97
Exons	4001..4459		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24770	Strand	+
Start	988	End	3617
Name	OJ990730_11.9B08.C2.o1.gp	Method	AAT/GAP
Start	853	End	2609
GI	57900_1.R1084	Score	1246
Exons	853..1126, 2192..2609		
GI Descrip.	'4314361/gb|AAD15572| 4.0e-12 (AC006340) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24770	Strand	+
Start	988	End	3617
Name	OJ990730_11.9B08.C2.o2.gs	Method	GENSCAN
Start	988	End	3617
GI	none	Score	.53
Exons	988..1126, 2192..2312, 2880..2968, 3496..3617		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24770	Strand	+
Start	988	End	3617
Name	OJ990730_11.9B08.C2.o3.np	Method	AAT/NAP
Start	988	End	1175
GI	4314361	Score	161
Exons	988..1175		
GI Descrip.	(AC006340) unknown protein [Arabidopsis thaliana]		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24771	Strand	+
Start	4726	End	5337
Name	OJ990730_11.9B08.C2.o3.gs	Method	GENSCAN
Start	4726	End	5337
GI	none	Score	.46
Exons	4726..5337		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24771	Strand	+
Start	4726	End	5337
Name	OJ990730_11.9B08.C2.o4.np	Method	AAT/NAP
Start	4999	End	5331
GI	1653954	Score	176
Exons	4999..5331		
GI Descrip.	(D90917) hypothetical protein [Synechocystis sp.]		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2

Gene No.	24772	Strand	+
Start	5965	End	6365
Name	OJ990730_11.9B08.C2.o4.gs	Method	GENSCAN
Start	5965	End	6252
GI	none	Score	1
Exons	5965..6252		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24772	Strand	+
Start	5965	End	6365
Name	OJ990730_11.9B08.C2.o2.gp	Method	AAT/GAP
Start	6053	End	6365
GI	2310932	Score	553
Exons	6053..6365		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24773	Strand	-
Start	1	End	2658
Name	OJ990730_11.9B08.C2.o1.np	Method	AAT/NAP
Start	1	End	209
GI	6403507	Score	96
Exons	1..209		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana] gi|6714383|gb|AAF26073.1|AC012562_28 (AC012562) unknown protein [Arabidopsis thaliana]		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24773	Strand	-
Start	1	End	2658
Name	OJ990730_11.9B08.C2.o2.np	Method	AAT/NAP
Start	1	End	2658
GI	6682624	Score	108
Exons	1..522, 2489..2658		
GI Descrip.	(AC016163) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24773	Strand	-
Start	1	End	2658
Name	OJ990730_11.9B08.C2.o1.gs	Method	GENSCAN
Start	20	End	664
GI	none	Score	.99
Exons	20..664		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24773	Strand	-
Start	1	End	2658
Name	OJ990730_11.9B08.C2.o2.tm	Method	TBLASTX:Maize
Start	1001	End	2316
GI	none	Score	83
Exons	1001..1057, 1002..1094, 1003..1095, 2191..2313, 2191..2316		

Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24774	Strand	
Start	4974	End	5339
Name	OJ990730_11.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	4974	End	5337
GI	none	Score	464

Exons	4974..5288, 4975..5289, 5272..5337, 5280..5336		
Seq. No.	11687	Seq. ID	OJ990730_11.9B08.C2
Gene No.	24774	Strand	
Start	4974	End	5339
Name	OJ990730_11.9B08.C2.o1.ts	Method	TBLASTX:Soybean
Start	4975	End	5339
GI	none	Score	446
Exons	4975..5160, 4980..5288, 4981..5289, 5242..5337, 5280..5339		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24775	Strand	+
Start	120	End	770
Name	OJ990730_11.9B08.C3.o1.gs	Method	GENSCAN
Start	120	End	770
GI	none	Score	.69
Exons	120..770		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+
Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o1.gp	Method	AAT/GAP
Start	4136	End	4617
GI	none	Score	735
Exons	4136..4506, 4577..4617		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+
Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o3.gs	Method	GENSCAN
Start	4220	End	7852
GI	none	Score	.69
Exons	4220..4506, 4577..4702, 4815..5007, 5579..5688, 7096..7243, 7337..7385, 7508..7589, 7705..7852		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+
Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o3.np	Method	AAT/NAP
Start	7497	End	14923
GI	3549656	Score	491
Exons	7497..7574, 8357..8487, 8574..8653, 12720..12803, 12870..13027, 13424..13498, 13609..13678, 13973..14097, 14379..14476, 14584..14685, 14807..14923		
GI Descrip.	(AL031394) putative protein [Arabidopsis thaliana]		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+
Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o4.gs	Method	GENSCAN
Start	8355	End	10686
GI	none	Score	.87
Exons	8355..8487, 8544..8617, 8705..8785, 9066..9157, 9393..9467, 9589..9658, 9859..9960, 10163..10277, 10379..10441, 10589..10686		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+

Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o2.gp	Method	AAT/GAP
Start	8573	End	9268
GI	7416_1.R1084	Score	446
Exons	8573..8617, 8705..8785, 8852..8959, 9066..9157, 9238..9268		
GI Descrip.	'3549656/emb|CAA20567.1| 6.0e-25 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+
Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o3.gp	Method	AAT/GAP
Start	10123	End	10774
GI	2533_1.R1084	Score	494
Exons	10123..10277, 10379..10441, 10589..10774		
GI Descrip.	'3549656/emb|CAA20567.1| 3.0e-27 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+
Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o4.gp	Method	AAT/GAP
Start	12335	End	13698
GI	7416_1.R1084	Score	1157
Exons	12335..12516, 12605..12648, 12723..12803, 12870..12977, 13072..13163, 13424..13498, 13609..13698		
GI Descrip.	'3549656/emb|CAA20567.1| 6.0e-25 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+
Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o5.gs	Method	GENSCAN
Start	12369	End	14889
GI	none	Score	.83
Exons	12369..12516, 12605..12648, 12723..12803, 13931..14074, 14407..14521, 14623..14685, 14807..14889		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24776	Strand	+
Start	4220	End	15086
Name	OJ990730_11.9B08.C3.o5.gp	Method	AAT/GAP
Start	13984	End	15086
GI	2533_1.R1084	Score	1002
Exons	13984..14074, 14407..14521, 14623..14685, 14807..15086		
GI Descrip.	'3549656/emb|CAA20567.1| 3.0e-27 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24777	Strand	+
Start	19447	End	20112
Name	OJ990730_11.9B08.C3.o4.np	Method	AAT/NAP
Start	19447	End	20112
GI	6721543	Score	105
Exons	19447..19578, 20078..20112		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24777	Strand	+
Start	19447	End	20112
Name	OJ990730_11.9B08.C3.o6.gp	Method	AAT/GAP
Start	19461	End	19628
GI	7406_1.R1084	Score	219
Exons	19461..19628		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24778	Strand	-
Start	1803	End	2937
Name	OJ990730_11.9B08.C3.o2.gs	Method	GENSCAN
Start	1803	End	2937
GI	none	Score	.63
Exons	1803..1849, 2592..2937		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24779	Strand	-
Start	15561	End	18274
Name	OJ990730_11.9B08.C3.o6.gs	Method	GENSCAN
Start	15561	End	18274
GI	none	Score	.64
Exons	15561..16369, 16628..17004, 17090..17453, 17695..18274		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o2.ts	Method	TBLASTX:Soybean
Start	258	End	685
GI	none	Score	72
Exons	258..455, 264..455, 359..448, 473..685, 480..671		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o3.tm	Method	TBLASTX:Maize
Start	258	End	749
GI	none	Score	194
Exons	258..491, 258..479, 356..502, 482..748, 483..749		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o7.tm	Method	TBLASTX:Maize
Start	5223	End	5983
GI	none	Score	76
Exons	5223..5300, 5223..5354, 5224..5355, 5228..5359, 5511..5654, 5512..5685, 5516..5662, 5903..5974, 5904..5975, 5906..5983		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o5.tm	Method	TBLASTX:Maize
Start	6923	End	7429
GI	none	Score	90

Exons	6923..7024, 6958..7017, 6959..7021, 7094..7243, 7112..7249, 7113..7259, 7152..7259, 7339..7428, 7346..7429		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o3.ts	Method	TBLASTX:Soybean
Start	7370	End	7777
GI	none	Score	60
Exons	7370..7426, 7513..7590, 7516..7590, 7518..7595, 7688..7777		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o1.tm	Method	TBLASTX:Maize
Start	8435	End	13630
GI	none	Score	67
Exons	8435..8485, 8439..8498, 8552..8617, 8573..8617, 8675..8785, 8703..8786, 8704..8790, 8705..8794, 8832..8927, 8849..8959, 8849..8956, 8851..8958, 9060..9155, 9066..9155, 9390..9479, 9391..9465, 9578..9610, 9584..9610, 12470..12544, 12474..12533, 12595..12645, 12603..12650, 12604..12648, 12709..12741, 12719..12811, 12722..12808, 12723..12812, 12850..12945, 12856..12975, 12864..12977, 12867..12962, 12869..12976, 13066..13161, 13067..13168, 13071..13169, 13072..13161, 13417..13497, 13419..13502, 13421..13498, 13422..13499, 13598..13630		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o6.tm	Method	TBLASTX:Maize
Start	10162	End	14922
GI	none	Score	168
Exons	10162..10281, 10163..10273, 10351..10443, 10376..10459, 10377..10442, 10581..10655, 10581..10658, 10585..10656, 10588..10665, 14406..14525, 14407..14520, 14589..14687, 14633..14686, 14788..14922, 14806..14892, 14810..14893, 14817..14906		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o1.tc	Method	TBLASTX:Cress
Start	15567	End	16112
GI	none	Score	164
Exons	15567..15611, 15612..15665, 15802..16104, 15843..16112		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o1.ts	Method	TBLASTX:Soybean
Start	15922	End	16553
GI	none	Score	265
Exons	15922..16299, 15924..16328, 16362..16553, 16363..16548		
Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3

Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o2.tc	Method	TBLASTX:Cress
Start	16368	End	17163
GI	none	Score	69
Exons	16368..16586, 16590..16673, 16821..16916, 16950..17009, 17089..17163		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o4.tm	Method	TBLASTX:Maize
Start	16394	End	16706
GI	none	Score	78
Exons	16394..16459, 16395..16484, 16432..16680, 16440..16679, 16443..16706		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o2.tm	Method	TBLASTX:Maize
Start	16844	End	17217
GI	none	Score	66
Exons	16844..16888, 16844..16888, 16845..16889, 16846..16902, 16888..17007, 16890..17009, 16894..17007, 17075..17215, 17089..17217		

Seq. No.	11688	Seq. ID	OJ990730_11.9B08.C3
Gene No.	24780	Strand	-
Start	19377	End	19539
Name	OJ990730_11.9B08.C3.o7.gs	Method	GENSCAN
Start	19377	End	19539
GI	none	Score	.86
Exons	19377..19539		

Seq. No.	11689	Seq. ID	OJ990730_11.9B08.C4
Gene No.	24781	Strand	+
Start	104	End	6004
Name	OJ990730_11.9B08.C4.o1.gs	Method	GENSCAN
Start	104	End	6004
GI	none	Score	.46
Exons	104..2459, 2843..2993, 3099..3345, 3520..3645, 3805..3930, 4022..4320, 4397..4655, 4748..4868, 4900..4981, 5244..5375, 5439..5486, 5491..5608, 5840..6004		

Seq. No.	11689	Seq. ID	OJ990730_11.9B08.C4
Gene No.	24781	Strand	+
Start	104	End	6004
Name	OJ990730_11.9B08.C4.o1.np	Method	AAT/NAP
Start	317	End	5725
GI	5441880	Score	4661
Exons	317..1289, 1734..1765, 2024..2339, 2843..2993, 3099..3435, 4022..4320, 4397..4655, 4900..4997, 5244..5375, 5491..5725		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11689	Seq. ID	OJ990730_11.9B08.C4
Gene No.	24781	Strand	+
Start	104	End	6004
Name	OJ990730_11.9B08.C4.o1.gp	Method	AAT/GAP
Start	888	End	1319
GI	5701669	Score	857
Exons	888..1319		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11689	Seq. ID	OJ990730_11.9B08.C4
Gene No.	24781	Strand	+
Start	104	End	6004
Name	OJ990730_11.9B08.C4.o2.gp	Method	AAT/GAP
Start	4148	End	4647
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	4148..4320, 4397..4647		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	11689	Seq. ID	OJ990730_11.9B08.C4
Gene No.	24782	Strand	+
Start	6702	End	7796
Name	OJ990730_11.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	845	End	1441
GI	none	Score	93
Exons	845..973, 853..951, 1022..1306, 1024..1245, 1370..1441		

Seq. No.	11689	Seq. ID	OJ990730_11.9B08.C4
Gene No.	24782	Strand	+
Start	6702	End	7796
Name	OJ990730_11.9B08.C4.o1.tw	Method	TBLASTX:Wheat
Start	1139	End	1520
GI	none	Score	210
Exons	1139..1333, 1148..1366, 1339..1458, 1343..1519, 1343..1489, 1371..1520		

Seq. No.	11689	Seq. ID	OJ990730_11.9B08.C4
Gene No.	24782	Strand	+
Start	6702	End	7796
Name	OJ990730_11.9B08.C4.o2.gs	Method	GENSCAN
Start	6702	End	7796
GI	none	Score	.95
Exons	6702..6754, 7402..7565, 7624..7796		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24783	Strand	+
Start	1	End	7820
Name	OJ990730_11.9B08.C5.o1.np	Method	AAT/NAP
Start	1	End	6223
GI	5734777	Score	1406
Exons	1..510, 1097..1309, 2644..2752, 2801..2909, 3177..3286, 3385..3488, 3711..4169, 4251..4332, 6195..6223		
GI Descrip.	(AC007980) 55212 [Arabidopsis thaliana]		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24783	Strand	+
Start	1	End	7820
Name	OJ990730_11.9B08.C5.o1.gs	Method	GENSCAN
Start	62	End	7457
GI	none	Score	.8
Exons	62..510, 1097..1219, 2656..2909, 3177..3286, 3385..3483, 3718..4141, 4909..5016, 5285..5361, 5425..5544, 5640..5737, 6142..6183, 6320..6397, 6479..6557, 6683..6778, 6859..6941, 7307..7457		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24783	Strand	+
Start	1	End	7820
Name	OJ990730_11.9B08.C5.o1.gp	Method	AAT/GAP
Start	2759	End	3860
GI	uC-osroM202006g08b1	Score	918
Exons	2759..2909, 3177..3286, 3385..3483, 3718..3860		
GI Descrip.	'5734777/gb|AAD50042.1|AC007980_7 3.0e-54 (AC007980) 55212 [Arabidopsis thaliana]'		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24783	Strand	+
Start	1	End	7820
Name	OJ990730_11.9B08.C5.o2.gp	Method	AAT/GAP
Start	3898	End	4373
GI	2311782	Score	636
Exons	3898..4142, 4260..4373		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24783	Strand	+
Start	1	End	7820
Name	OJ990730_11.9B08.C5.o3.gp	Method	AAT/GAP
Start	5153	End	5518
GI	none	Score	493
Exons	5153..5332, 5425..5518		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24783	Strand	+
Start	1	End	7820
Name	OJ990730_11.9B08.C5.o2.np	Method	AAT/NAP
Start	5234	End	7567
GI	4337206	Score	191
Exons	5234..5338, 5425..5544, 5640..5779, 6320..6397, 6479..6567, 6866..6941, 7307..7375, 7489..7567		
GI Descrip.	(AC006403) putative replication protein A1 [Arabidopsis thaliana]		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24783	Strand	+
Start	1	End	7820
Name	OJ990730_11.9B08.C5.o4.gp	Method	AAT/GAP
Start	6486	End	7820
GI	none	Score	1139
Exons	6486..6557, 6683..6778, 6859..6941, 7307..7375, 7489..7820		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5

Gene No.	24784	Strand	+
Start	12628	End	13296
Name	OJ990730_11.9B08.C5.o6.gp	Method	AAT/GAP
Start	12628	End	13296
GI	61139_1.R1084	Score	1285
Exons	12628..13296		
GI Descrip.	'1360637/emb|CAA65242|. 2.0e-31 (X95995) ENBP1 [Vicia sativa]'		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24785	Strand	+
Start	25477	End	25698
Name	OJ990730_11.9B08.C5.o4.gs	Method	GENSCAN
Start	25477	End	25698
GI	none	Score	.5
Exons	25477..25698		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24786	Strand	-
Start	10035	End	10902
Name	OJ990730_11.9B08.C5.o2.gs	Method	GENSCAN
Start	10035	End	10902
GI	none	Score	.64
Exons	10035..10161, 10778..10902		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24786	Strand	-
Start	10035	End	10902
Name	OJ990730_11.9B08.C5.o5.gp	Method	AAT/GAP
Start	10501	End	10607
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	10501..10607		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24787	Strand	-
Start	13448	End	23629
Name	OJ990730_11.9B08.C5.o3.gs	Method	GENSCAN
Start	13448	End	23489
GI	none	Score	.62
Exons	13448..13640, 17435..17502, 17578..17697, 17820..17905, 17999..18071, 18177..18511, 18575..18839, 19055..19387, 19767..20468, 20659..20693, 20762..20918, 21604..21708, 22345..22464, 23253..23489		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24787	Strand	-
Start	13448	End	23629
Name	OJ990730_11.9B08.C5.o7.gp	Method	AAT/GAP
Start	17007	End	17269
GI	3761066	Score	491
Exons	17007..17269		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24787	Strand	-
Start	13448	End	23629

Name	OJ990730_11.9B08.C5.o8.gp	Method	AAT/GAP
Start	17431	End	18199
GI	426772	Score	615
Exons	17431..17502, 17578..17697, 17820..17905, 17999..18071, 18177..18199		
GI Descrip.	1360637/emb|CAA65242| 2.0e-31 (X95995) ENBP1 [Vicia sativa]		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24787	Strand	-
Start	13448	End	23629
Name	OJ990730_11.9B08.C5.o3.np	Method	AAT/NAP
Start	17560	End	23629
GI	2781345	Score	1412
Exons	17560..17697, 17820..17905, 17999..18090, 18122..18310, 18662..18839, 19055..19387, 19767..20046, 20083..20315, 20369..20550, 20630..20693, 20762..20894, 21024..21123, 21373..21464, 23423..23629		
GI Descrip.	(AC003113) F24O1.2 [Arabidopsis thaliana]		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24787	Strand	-
Start	13448	End	23629
Name	OJ990730_11.9B08.C5.o9.gp	Method	AAT/GAP
Start	22333	End	23516
GI	5003012	Score	704
Exons	22333..22464, 23253..23516		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o2.ts	Method	TBLASTX:Soybean
Start	346	End	1304
GI	none	Score	259
Exons	346..513, 347..514, 1091..1297, 1091..1303, 1095..1304		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o6.tm	Method	TBLASTX:Maize
Start	1283	End	2901
GI	none	Score	96
Exons	1283..1357, 1284..1379, 2642..2830, 2651..2830, 2759..2899, 2789..2899, 2800..2901		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o3.ts	Method	TBLASTX:Soybean
Start	2855	End	3864
GI	none	Score	85
Exons	2855..2920, 3160..3258, 3176..3259, 3378..3485, 3382..3486, 3384..3485, 3705..3842, 3715..3864, 3717..3845		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o1.tm	Method	TBLASTX:Maize

Start	3250	End	4348
GI	none	Score	39
Exons	3250..3279, 3266..3286, 3382..3486, 3384..3485, 3669..3845, 3712..3864, 3715..3864, 3847..3924, 3937..4134, 3940..4068, 4256..4348, 4257..4343, 4258..4344		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o5.tm	Method	TBLASTX:Maize
Start	5266	End	5776
GI	none	Score	105
Exons	5266..5331, 5270..5335, 5424..5486, 5428..5484, 5470..5547, 5493..5543, 5500..5544, 5637..5738, 5640..5762, 5645..5764, 5648..5776		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o8.tm	Method	TBLASTX:Maize
Start	6318	End	6777
GI	none	Score	129
Exons	6318..6407, 6318..6404, 6320..6409, 6476..6547, 6477..6551, 6496..6570, 6676..6777, 6685..6774		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o1.ts	Method	TBLASTX:Soybean
Start	17559	End	19229
GI	none	Score	47
Exons	17559..17615, 17560..17703, 17597..17704, 17809..17913, 17820..17906, 17997..18074, 17998..18078, 18159..18305, 18166..18294, 19052..19228, 19053..19229		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o1.tw	Method	TBLASTX:Wheat
Start	17578	End	17907
GI	none	Score	43
Exons	17578..17703, 17611..17703, 17808..17906, 17820..17906, 17821..17907		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o3.tm	Method	TBLASTX:Maize
Start	17656	End	18308
GI	none	Score	64
Exons	17656..17703, 17657..17698, 17808..17906, 17809..17907, 17820..17906, 17997..18074, 17997..18074, 17998..18075, 17999..18082, 18159..18308, 18175..18297		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922

Name	OJ990730_11.9B08.C5.o4.tm	Method	TBLASTX:Maize
Start	18717	End	19242
GI	none	Score	67
Exons	18717..18854, 18720..18839, 19052..19240, 19053..19241, 19054..19242		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o1.tc	Method	TBLASTX:Cress
Start	19052	End	19381
GI	none	Score	240
Exons	19052..19081, 19082..19324, 19083..19322, 19334..19381		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o2.tm	Method	TBLASTX:Maize
Start	19833	End	20879
GI	none	Score	159
Exons	19833..20030, 19837..19989, 20058..20081, 20098..20292, 20106..20336, 20151..20333, 20436..20543, 20444..20542, 20757..20879		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o4.ts	Method	TBLASTX:Soybean
Start	19857	End	20549
GI	none	Score	87
Exons	19857..20033, 19858..19989, 20148..20303, 20427..20549		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o7.tm	Method	TBLASTX:Maize
Start	21066	End	21497
GI	none	Score	80
Exons	21066..21125, 21066..21122, 21068..21124, 21364..21495, 21368..21493, 21372..21497		

Seq. No.	11690	Seq. ID	OJ990730_11.9B08.C5
Gene No.	24788	Strand	-
Start	25640	End	25922
Name	OJ990730_11.9B08.C5.o10.gp	Method	AAT/GAP
Start	25640	End	25922
GI	LIB3431-011-P1-N1-F6	Score	554
Exons	25640..25922		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	11691	Seq. ID	OJ990730_11.9B08.C6
Gene No.	24789	Strand	-
Start	85	End	623
Name	OJ990730_11.9B08.C6.o1.tc	Method	TBLASTX:Cress
Start	82	End	488

GI	none	Score	65
Exons	82..231, 85..252, 86..253, 342..488		

Seq. No.	11691	Seq. ID	OJ990730_11.9B08.C6
Gene No.	24789	Strand	-
Start	85	End	623
Name	OJ990730_11.9B08.C6.o1.np	Method	AAT/NAP
Start	85	End	513
GI	1653767	Score	153
Exons	85..252, 342..513		
GI Descrip.	(D90916) oligopeptidase A [Synechocystis sp.]		

Seq. No.	11691	Seq. ID	OJ990730_11.9B08.C6
Gene No.	24789	Strand	-
Start	85	End	623
Name	OJ990730_11.9B08.C6.o1.ts	Method	TBLASTX:Soybean
Start	85	End	470
GI	none	Score	88
Exons	85..252, 89..259, 342..470		

Seq. No.	11691	Seq. ID	OJ990730_11.9B08.C6
Gene No.	24789	Strand	-
Start	85	End	623
Name	OJ990730_11.9B08.C6.o1.gs	Method	GENSCAN
Start	85	End	516
GI	none	Score	.86
Exons	85..252, 342..516		

Seq. No.	11691	Seq. ID	OJ990730_11.9B08.C6
Gene No.	24789	Strand	-
Start	85	End	623
Name	OJ990730_11.9B08.C6.o1.tm	Method	TBLASTX:Maize
Start	88	End	623
GI	none	Score	157
Exons	88..252, 89..253, 342..470, 363..392, 468..494, 505..621, 588..623		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24790	Strand	+
Start	10961	End	11046
Name	OJ990730_11.9B08.C7.o1.gp	Method	AAT/GAP
Start	10961	End	11046
GI	5867_1.R1084	Score	126
Exons	10961..11046		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24791	Strand	-
Start	777	End	7199
Name	OJ990730_11.9B08.C7.o1.gs	Method	GENSCAN
Start	777	End	7199

GI	none	Score	.62
Exons	777..971, 1028..1105, 1197..1243, 1462..1617, 2586..2747, 4847..5204, 5339..5451, 5675..7199		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24791	Strand	-
Start	777	End	7199
Name	OJ990730_11.9B08.C7.o1.np	Method	AAT/NAP
Start	786	End	1649
GI	5689236	Score	345
Exons	786..938, 1028..1105, 1191..1243, 1462..1649		
GI Descrip.	(AB024291) ZmRR2 [Zea mays] gi|6009897|dbj|BAA85113.1| (AB031012) response regulator 2 [Zea mays]		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24792	Strand	-
Start	7835	End	13287
Name	OJ990730_11.9B08.C7.o2.gs	Method	GENSCAN
Start	7835	End	13287
GI	none	Score	.64
Exons	7835..9517, 9677..9780, 9989..10130, 10423..10736, 11720..11930, 12046..12228, 12268..13287		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24793	Strand	-
Start	13880	End	14714
Name	OJ990730_11.9B08.C7.o3.gs	Method	GENSCAN
Start	13880	End	14714
GI	none	Score	.99
Exons	13880..13969, 14121..14242, 14375..14714		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o3.tc	Method	TBLASTX:Cress
Start	748	End	1537
GI	none	Score	125
Exons	748..939, 801..941, 1016..1150, 1053..1100, 1197..1232, 1457..1537, 1476..1535		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o3.tm	Method	TBLASTX:Maize
Start	789	End	1556
GI	none	Score	166
Exons	789..941, 793..939, 1022..1099, 1026..1109, 1028..1099, 1455..1556, 1457..1543		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o2.ts	Method	TBLASTX:Soybean
Start	801	End	1108
GI	none	Score	113
Exons	801..941, 814..939, 1016..1108, 1028..1108		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o2.gp	Method	AAT/GAP
Start	16934	End	17464
GI	3763705	Score	1037
Exons	16934..17464		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o4.gs	Method	GENSCAN
Start	17297	End	21399
GI	none	Score	.84
Exons	17297..17985, 18356..18412, 20397..21399		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o2.np	Method	AAT/NAP
Start	17324	End	21496
GI	1931655	Score	1147
Exons	17324..17978, 20396..21001, 21077..21496		
GI Descrip.	(U95973) receptor-kinase isolog [Arabidopsis thaliana]		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	17403	End	17936
GI	none	Score	266
Exons	17403..17702, 17432..17734, 17456..17704, 17705..17869, 17706..17870, 17792..17872, 17885..17935, 17886..17936		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o1.ts	Method	TBLASTX:Soybean
Start	17432	End	20709
GI	none	Score	84
Exons	17432..17521, 17558..17692, 17579..17758, 17580..17759, 17792..17953, 17793..17954, 20419..20499, 20557..20709		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o2.tc	Method	TBLASTX:Cress
Start	17579	End	17950
GI	none	Score	66
Exons	17579..17779, 17589..17732, 17780..17950		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o3.gp	Method	AAT/GAP
Start	17931	End	20588
GI	4968802	Score	417

Exons	17931..17985, 20397..20588		
GI Descrip.	1931655 3.0e-09 (U95973) receptor-kinase isolog [Arabidopsis thaliana]		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o1.tc	Method	TBLASTX:Cress
Start	20419	End	20712
GI	none	Score	158
Exons	20419..20499, 20563..20712		

Seq. No.	11692	Seq. ID	OJ990730_11.9B08.C7
Gene No.	24794	Strand	-
Start	17297	End	21496
Name	OJ990730_11.9B08.C7.o2.tm	Method	TBLASTX:Maize
Start	20437	End	20718
GI	none	Score	64
Exons	20437..20499, 20443..20514, 20554..20718, 20555..20716		

Seq. No.	11693	Seq. ID	OJ990730_11.9B08.C8
Gene No.	24795	Strand	-
Start	150	End	358
Name	OJ990730_11.9B08.C8.o1.gp	Method	AAT/GAP
Start	150	End	358
GI	572000	Score	390
Exons	150..358		

Seq. No.	11694	Seq. ID	OJ990730_11.9B08.C9
Gene No.	24796	Strand	+
Start	21	End	5404
Name	OJ990730_11.9B08.C9.o1.gs	Method	GENSCAN
Start	21	End	5404
GI	none	Score	.87
Exons	21..52, 314..431, 1200..1318, 2245..2340, 2637..2754, 3199..3465, 4095..4452, 4543..4656, 4838..5404		

Seq. No.	11694	Seq. ID	OJ990730_11.9B08.C9
Gene No.	24796	Strand	+
Start	21	End	5404
Name	OJ990730_11.9B08.C9.o1.tc	Method	TBLASTX:Cress
Start	4169	End	4655
GI	none	Score	147
Exons	4169..4441, 4172..4453, 4173..4463, 4182..4457, 4545..4655, 4547..4654		

Seq. No.	11695	Seq. ID	OJ990730_11.9B08.C10
Gene No.	24797	Strand	+
Start	47	End	251
Name	OJ990730_11.9B08.C10.o1.gs	Method	GENSCAN
Start	47	End	251
GI	none	Score	.52
Exons	47..251		

Seq. No.	11695	Seq. ID	OJ990730_11.9B08.C10
Gene No.	24797	Strand	+
Start	47	End	251

Name	OJ990730_11.9B08.C10.o1.gp	Method	AAT/GAP
Start	72	End	251
GI	none	Score	320
Exons	72..251		

Seq. No.	11696	Seq. ID	OJ990730_11.9B08.C11
Gene No.	24798	Strand	+
Start	1	End	210
Name	OJ990730_11.9B08.C11.o1.gp	Method	AAT/GAP
Start	1	End	210
GI	2721_1.R1084	Score	357
Exons	1..210		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	11696	Seq. ID	OJ990730_11.9B08.C11
Gene No.	24799	Strand	-
Start	1	End	462
Name	OJ990730_11.9B08.C11.o1.np	Method	AAT/NAP
Start	1	End	168
GI	114652	Score	229
Exons	1..168		
GI Descrip.	ATP SYNTHASE C CHAIN (LIPID-BINDING PROTEIN) (SUBUNIT III) gi|81820|pir||A29599 H+-transporting ATP synthase (EC 3.6.1.34) lipid-binding protein - soybean chloroplast gi|169935 (M18442) DCCD-binding protein [Glycine max]		

Seq. No.	11696	Seq. ID	OJ990730_11.9B08.C11
Gene No.	24799	Strand	-
Start	1	End	462
Name	OJ990730_11.9B08.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	332
GI	none	Score	143
Exons	1..48, 2..127, 2..151, 3..161, 142..186, 176..244, 269..331, 285..332		

Seq. No.	11696	Seq. ID	OJ990730_11.9B08.C11
Gene No.	24799	Strand	-
Start	1	End	462
Name	OJ990730_11.9B08.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	220
GI	none	Score	217
Exons	1..51, 2..151, 3..155, 142..219, 158..220		

Seq. No.	11696	Seq. ID	OJ990730_11.9B08.C11
Gene No.	24799	Strand	-
Start	1	End	462
Name	OJ990730_11.9B08.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	462
GI	none	Score	197
Exons	1..51, 2..127, 2..151, 3..158, 152..193, 154..195, 187..234, 187..243, 188..244, 230..271, 233..271, 275..346, 276..344, 276..347, 280..372, 345..380, 346..408, 349..447, 400..462		

Seq. No.	11696	Seq. ID	OJ990730_11.9B08.C11
Gene No.	24799	Strand	-
Start	1	End	462
Name	OJ990730_11.9B08.C11.o1.gs	Method	GENSCAN
Start	31	End	177
GI	none	Score	.57
Exons	31..177		

Seq. No.	11697	Seq. ID	OJ990730_11.9B08.C14
Gene No.	24800	Strand	-
Start	1	End	736
Name	OJ990730_11.9B08.C14.o1.np	Method	AAT/NAP
Start	1	End	736
GI	6630696	Score	1095
Exons	1..736		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11697	Seq. ID	OJ990730_11.9B08.C14
Gene No.	24800	Strand	-
Start	1	End	736
Name	OJ990730_11.9B08.C14.o1.tm	Method	TBLASTX:Maize
Start	164	End	513
GI	none	Score	249
Exons	164..205, 230..508, 235..513, 240..506		

Seq. No.	11698	Seq. ID	OJ990930_14.9B09.C2
Gene No.	24801	Strand	-
Start	76	End	767
Name	OJ990930_14.9B09.C2.o1.gs	Method	GENSCAN
Start	76	End	767
GI	none	Score	.92
Exons	76..306, 641..767		

Seq. No.	11699	Seq. ID	OJ990930_14.9B09.C4
Gene No.	24802	Strand	+
Start	452	End	606
Name	OJ990930_14.9B09.C4.o1.gs	Method	GENSCAN
Start	452	End	606
GI	none	Score	.63
Exons	452..606		

Seq. No.	11700	Seq. ID	OJ990930_14.9B09.C5
Gene No.	24803	Strand	+
Start	706	End	779
Name	OJ990930_14.9B09.C5.o1.gs	Method	GENSCAN
Start	706	End	779
GI	none	Score	.99
Exons	706..779		

Seq. No.	11700	Seq. ID	OJ990930_14.9B09.C5
Gene No.	24804	Strand	-
Start	1	End	2790
Name	OJ990930_14.9B09.C5.o1.np	Method	AAT/NAP
Start	1	End	2790
GI	4680186	Score	164

Exons	1..82, 113..296, 768..866, 2720..2790		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24805	Strand	+
Start	2295	End	4389
Name	OJ990930_14.9B09.C6.o1.gp	Method	AAT/GAP
Start	2295	End	4389
GI	6573148	Score	3635
Exons	2295..2709, 2806..3768, 3884..4389		
GI Descrip.	4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24805	Strand	+
Start	2295	End	4389
Name	OJ990930_14.9B09.C6.o1.np	Method	AAT/NAP
Start	2487	End	3773
GI	6573149	Score	2084
Exons	2487..2709, 2806..3773		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		
Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24806	Strand	+
Start	8507	End	11615
Name	OJ990930_14.9B09.C6.o2.gs	Method	GENSCAN
Start	8507	End	11536
GI	none	Score	.98
Exons	8507..8787, 9847..11536		
Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24806	Strand	+
Start	8507	End	11615
Name	OJ990930_14.9B09.C6.o2.np	Method	AAT/NAP
Start	8510	End	11518
GI	4584356	Score	1963
Exons	8510..8787, 9847..9952, 9996..11518		
GI Descrip.	(AC006420) putative replication protein A1 [Arabidopsis thaliana]		
Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24806	Strand	+
Start	8507	End	11615
Name	OJ990930_14.9B09.C6.o2.gp	Method	AAT/GAP
Start	8663	End	10181
GI	LIB3477-001-P1-K1-C7	Score	900
Exons	8663..8787, 9847..10181		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24806	Strand	+
Start	8507	End	11615
Name	OJ990930_14.9B09.C6.o3.gp	Method	AAT/GAP
Start	11183	End	11615
GI	1632335	Score	832
Exons	11183..11615		

GI Descrip. 4584356/gb|AAD25150.1|AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]

Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24807	Strand	-
Start	11983	End	12282
Name	OJ990930_14.9B09.C6.o1.ts	Method	TBLASTX:Soybean
Start	2535	End	3002
GI	none	Score	157
Exons	2535..2651, 2537..2608, 2808..2849, 2849..3001, 2850..3002		

Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24807	Strand	-
Start	11983	End	12282
Name	OJ990930_14.9B09.C6.o3.tm	Method	TBLASTX:Maize
Start	2537	End	2981
GI	none	Score	125
Exons	2537..2593, 2538..2681, 2799..2981, 2843..2980		

Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24807	Strand	-
Start	11983	End	12282
Name	OJ990930_14.9B09.C6.o1.tc	Method	TBLASTX:Cress
Start	2843	End	2996
GI	none	Score	210
Exons	2843..2983, 2844..2996		

Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24807	Strand	-
Start	11983	End	12282
Name	OJ990930_14.9B09.C6.o1.tm	Method	TBLASTX:Maize
Start	10258	End	10741
GI	none	Score	526
Exons	10258..10677, 10259..10678, 10259..10681, 10670..10741, 10678..10740		

Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24807	Strand	-
Start	11983	End	12282
Name	OJ990930_14.9B09.C6.o2.tm	Method	TBLASTX:Maize
Start	10742	End	11086
GI	none	Score	430
Exons	10742..11038, 10744..11040, 10744..11037, 11027..11086, 11035..11085		

Seq. No.	11701	Seq. ID	OJ990930_14.9B09.C6
Gene No.	24807	Strand	-
Start	11983	End	12282
Name	OJ990930_14.9B09.C6.o4.gp	Method	AAT/GAP
Start	11983	End	12282
GI	2798531	Score	576
Exons	11983..12282		

Seq. No.	11702	Seq. ID	OJ990930_14.9B09.C7
Gene No.	24808	Strand	-
Start	1	End	3387
Name	OJ990930_14.9B09.C7.o1.np	Method	AAT/NAP

Start	1	End	3387
GI	6648163	Score	299
Exons	1..71, 868..1213, 1271..1676, 3325..3387		
GI Descrip.	(AC010926) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11702	Seq. ID	OJ990930_14.9B09.C7
Gene No.	24808	Strand	-
Start	1	End	3387
Name	OJ990930_14.9B09.C7.o1.gs	Method	GENSCAN
Start	137	End	3224
GI	none	Score	.74
Exons	137..220, 936..1892, 2587..2648, 2845..3013, 3123..3224		

Seq. No.	11702	Seq. ID	OJ990930_14.9B09.C7
Gene No.	24808	Strand	-
Start	1	End	3387
Name	OJ990930_14.9B09.C7.o1.tm	Method	TBLASTX:Maize
Start	931	End	1328
GI	none	Score	179
Exons	931..1116, 939..1115, 941..1129, 1110..1268, 1112..1204, 1114..1221, 1146..1253, 1269..1328		

Seq. No.	11702	Seq. ID	OJ990930_14.9B09.C7
Gene No.	24808	Strand	-
Start	1	End	3387
Name	OJ990930_14.9B09.C7.o1.ts	Method	TBLASTX:Soybean
Start	1164	End	1644
GI	none	Score	115
Exons	1164..1217, 1434..1634, 1465..1641, 1474..1644		

Seq. No.	11702	Seq. ID	OJ990930_14.9B09.C7
Gene No.	24808	Strand	-
Start	1	End	3387
Name	OJ990930_14.9B09.C7.o1.gp	Method	AAT/GAP
Start	1346	End	1784
GI	LIB3474-003-P1-K1-B12	Score	878
Exons	1346..1784		
GI Descrip.	'4584356/gb|AAD25150.1|AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]'		

Seq. No.	11702	Seq. ID	OJ990930_14.9B09.C7
Gene No.	24808	Strand	-
Start	1	End	3387
Name	OJ990930_14.9B09.C7.o2.tm	Method	TBLASTX:Maize
Start	1531	End	1793
GI	none	Score	168
Exons	1531..1707, 1532..1708, 1533..1715, 1533..1793, 1534..1728, 1693..1776		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24809	Strand	+
Start	2312	End	2707
Name	OJ990930_14.9B09.C8.o1.gs	Method	GENSCAN
Start	2312	End	2707
GI	none	Score	.9
Exons	2312..2707		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24810	Strand	+
Start	4069	End	4980
Name	OJ990930_14.9B09.C8.o2.gs	Method	GENSCAN
Start	4069	End	4980
GI	none	Score	.94
Exons	4069..4980		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24811	Strand	+
Start	5663	End	6509
Name	OJ990930_14.9B09.C8.o3.gs	Method	GENSCAN
Start	5663	End	6509
GI	none	Score	.67
Exons	5663..5693, 6370..6509		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24812	Strand	+
Start	16643	End	17192
Name	OJ990930_14.9B09.C8.o3.np	Method	AAT/NAP
Start	16643	End	17192
GI	6907088	Score	270
Exons	16643..16780, 16957..17061, 17159..17192		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24813	Strand	-
Start	8136	End	9311
Name	OJ990930_14.9B09.C8.o4.gs	Method	GENSCAN
Start	8136	End	9311
GI	none	Score	.85
Exons	8136..8209, 8937..9075, 9141..9311		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24814	Strand	-
Start	9697	End	14296
Name	OJ990930_14.9B09.C8.o1.np	Method	AAT/NAP
Start	9697	End	14296
GI	4680179	Score	4295
Exons	9697..13111, 13214..14296		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o5.tw	Method	TBLASTX:Wheat
Start	9741	End	10073
GI	none	Score	143
Exons	9741..10073, 9762..10034		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o1.tm	Method	TBLASTX:Maize
Start	9924	End	10520
GI	none	Score	66
Exons	9924..10253, 9933..10019, 9934..10143, 10121..10201,		

10128..10241, 10226..10360, 10248..10361, 10308..10361,
10309..10362, 10358..10516, 10365..10520, 10368..10520

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o1.tw	Method	TBLASTX:Wheat
Start	10074	End	10699
GI	none	Score	242
Exons	10074..10256, 10262..10699, 10263..10643		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o4.tm	Method	TBLASTX:Maize
Start	10640	End	11059
GI	none	Score	159
Exons	10640..11059, 10662..10952, 10667..10954		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o2.ts	Method	TBLASTX:Soybean
Start	10658	End	10913
GI	none	Score	139
Exons	10658..10906, 10659..10913		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o3.tw	Method	TBLASTX:Wheat
Start	10706	End	11230
GI	none	Score	277
Exons	10706..11230, 10719..11156		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o2.tm	Method	TBLASTX:Maize
Start	11263	End	11624
GI	none	Score	212
Exons	11263..11433, 11268..11468, 11273..11575, 11274..11573, 11580..11624		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o2.tw	Method	TBLASTX:Wheat
Start	11273	End	11697
GI	none	Score	199
Exons	11273..11578, 11274..11570, 11491..11583, 11578..11697, 11580..11696		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o5.tm	Method	TBLASTX:Maize

Start	11628	End	11886
GI	none	Score	165
Exons	11628..11885, 11632..11886		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o6.tw	Method	TBLASTX:Wheat
Start	11703	End	11998
GI	none	Score	153
Exons	11703..11903, 11740..11904, 11742..11915, 11903..11998, 11904..11981, 11927..11998		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o1.ts	Method	TBLASTX:Soybean
Start	11712	End	12106
GI	none	Score	123
Exons	11712..11903, 11740..11886, 11903..12070, 11904..12089, 12074..12106		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o3.tm	Method	TBLASTX:Maize
Start	11993	End	12460
GI	none	Score	95
Exons	11993..12460, 12030..12236, 12300..12389		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o4.tw	Method	TBLASTX:Wheat
Start	12047	End	12529
GI	none	Score	164
Exons	12047..12529, 12056..12415, 12075..12515		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o7.tm	Method	TBLASTX:Maize
Start	12461	End	12658
GI	none	Score	124
Exons	12461..12658, 12462..12623		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o8.tw	Method	TBLASTX:Wheat
Start	12815	End	13261
GI	none	Score	83
Exons	12815..13093, 12921..13070, 13208..13261		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497

Name	OJ990930_14.9B09.C8.o6.tm	Method	TBLASTX:Maize
Start	13460	End	13792
GI	none	Score	211
Exons	13460..13792		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o7.tw	Method	TBLASTX:Wheat
Start	13673	End	14050
GI	none	Score	247
Exons	13673..14050		

Seq. No.	11703	Seq. ID	OJ990930_14.9B09.C8
Gene No.	24815	Strand	-
Start	14717	End	15497
Name	OJ990930_14.9B09.C8.o2.np	Method	AAT/NAP
Start	14717	End	15497
GI	6002794	Score	1128
Exons	14717..15497		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24816	Strand	+
Start	1	End	87
Name	OJ990930_14.9B09.C9.o1.np	Method	AAT/NAP
Start	1	End	87
GI	6721562	Score	95
Exons	1..87		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24817	Strand	+
Start	199	End	1701
Name	OJ990930_14.9B09.C9.o1.gs	Method	GENSCAN
Start	199	End	1701
GI	none	Score	.82
Exons	199..369, 406..1701		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24817	Strand	+
Start	199	End	1701
Name	OJ990930_14.9B09.C9.o2.np	Method	AAT/NAP
Start	399	End	1698
GI	6498441	Score	2000
Exons	399..1323, 1417..1698		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24818	Strand	+
Start	1862	End	2332

Name	OJ990930_14.9B09.C9.o1.gp	Method	AAT/GAP
Start	1862	End	2332
GI	2428323	Score	823
Exons	1862..2332		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24819	Strand	-
Start	2340	End	5523
Name	OJ990930_14.9B09.C9.o1.tm	Method	TBLASTX:Maize
Start	568	End	891
GI	none	Score	361
Exons	568..891, 597..878		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24819	Strand	-
Start	2340	End	5523
Name	OJ990930_14.9B09.C9.o1.tw	Method	TBLASTX:Wheat
Start	705	End	1086
GI	none	Score	375
Exons	705..761, 706..1086, 807..1055		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24819	Strand	-
Start	2340	End	5523
Name	OJ990930_14.9B09.C9.o2.tw	Method	TBLASTX:Wheat
Start	1087	End	1689
GI	none	Score	267
Exons	1087..1383, 1091..1162, 1092..1190, 1227..1370, 1563..1685, 1564..1689		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24819	Strand	-
Start	2340	End	5523
Name	OJ990930_14.9B09.C9.o2.tm	Method	TBLASTX:Maize
Start	1558	End	1739
GI	none	Score	192
Exons	1558..1725, 1563..1739		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24819	Strand	-
Start	2340	End	5523
Name	OJ990930_14.9B09.C9.o2.gs	Method	GENSCAN
Start	2340	End	5523
GI	none	Score	.81
Exons	2340..4167, 4263..5327, 5360..5523		

Seq. No.	11704	Seq. ID	OJ990930_14.9B09.C9
Gene No.	24819	Strand	-
Start	2340	End	5523
Name	OJ990930_14.9B09.C9.o3.np	Method	AAT/NAP
Start	2343	End	5523
GI	5803259	Score	4958
Exons	2343..4167, 4263..5523		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	11705	Seq. ID	OJ990930_14.9B09.C10
Gene No.	24820	Strand	+
Start	1523	End	2956
Name	OJ990930_14.9B09.C10.o1.np	Method	AAT/NAP
Start	1523	End	2956
GI	6907086	Score	612
Exons	1523..2261, 2321..2956		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11705	Seq. ID	OJ990930_14.9B09.C10
Gene No.	24821	Strand	+
Start	7654	End	11135
Name	OJ990930_14.9B09.C10.o2.np	Method	AAT/NAP
Start	7654	End	9225
GI	2826786	Score	289
Exons	7654..7761, 7866..7930, 8556..8729, 8863..8947, 9110..9225		
GI Descrip.	(Y10905) RAPB protein [Oryza sativa]		

Seq. No.	11705	Seq. ID	OJ990930_14.9B09.C10
Gene No.	24821	Strand	+
Start	7654	End	11135
Name	OJ990930_14.9B09.C10.o1.tw	Method	TBLASTX:Wheat
Start	8559	End	8726
GI	none	Score	192
Exons	8559..8726, 8561..8725		

Seq. No.	11705	Seq. ID	OJ990930_14.9B09.C10
Gene No.	24821	Strand	+
Start	7654	End	11135
Name	OJ990930_14.9B09.C10.o3.np	Method	AAT/NAP
Start	8632	End	11135
GI	6623973	Score	235
Exons	8632..8653, 10688..11135		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	11706	Seq. ID	OJ990930_14.9B09.C13
Gene No.	24822	Strand	+
Start	418	End	4462
Name	OJ990930_14.9B09.C13.o1.gs	Method	GENSCAN
Start	418	End	4462
GI	none	Score	.57
Exons	418..603, 701..830, 1499..1687, 4254..4462		

Seq. No.	11707	Seq. ID	OJ990930_14.9B09.C14
Gene No.	24823	Strand	+
Start	4691	End	4759
Name	OJ990930_14.9B09.C14.o1.gp	Method	AAT/GAP
Start	4691	End	4759
GI	2311279	Score	70
Exons	4691..4759		

Seq. No.	11707	Seq. ID	OJ990930_14.9B09.C14
Gene No.	24824	Strand	-
Start	4428	End	5574
Name	OJ990930_14.9B09.C14.o2.gs	Method	GENSCAN
Start	4428	End	5574

GI	none	Score	.71
Exons	4428..4630, 4784..4930, 5469..5574		

Seq. No.	11708	Seq. ID	OJ990930_14.9B09.C15
Gene No.	24825	Strand	-
Start	1	End	3160
Name	OJ990930_14.9B09.C15.o1.np	Method	AAT/NAP
Start	1	End	3160
GI	1076802	Score	116
Exons	1..201, 655..1083, 3133..3160		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	11708	Seq. ID	OJ990930_14.9B09.C15
Gene No.	24825	Strand	-
Start	1	End	3160
Name	OJ990930_14.9B09.C15.o1.gs	Method	GENSCAN
Start	1650	End	2020
GI	none	Score	1
Exons	1650..1849, 1951..2020		

Seq. No.	11708	Seq. ID	OJ990930_14.9B09.C15
Gene No.	24825	Strand	-
Start	1	End	3160
Name	OJ990930_14.9B09.C15.o2.gs	Method	GENSCAN
Start	2638	End	2955
GI	none	Score	.74
Exons	2638..2732, 2928..2955		

Seq. No.	11709	Seq. ID	OJ990930_14.9B09.C16
Gene No.	24826	Strand	+
Start	126	End	1106
Name	OJ990930_14.9B09.C16.o1.gs	Method	GENSCAN
Start	126	End	1106
GI	none	Score	.61
Exons	126..187, 908..1106		

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o1.np	Method	AAT/NAP
Start	97	End	1537
GI	6623973	Score	1365
Exons	97..1537		
GI Descrip.	(AC007505) Highly similar to Tal-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o1.tm	Method	TBLASTX:Maize
Start	106	End	528
GI	none	Score	187
Exons	106..378, 110..376, 112..378, 384..500, 385..528	152..379, 183..389, 378..527,	

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o1.tc	Method	TBLASTX:Cress
Start	106	End	707
GI	none	Score	64
Exons	106..318, 405..470, 480..584,	579..707	

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o2.ts	Method	TBLASTX:Soybean
Start	109	End	506
GI	none	Score	53
Exons	109..213, 116..214, 232..378,	245..382,	378..497, 378..506

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o2.tw	Method	TBLASTX:Wheat
Start	133	End	585
GI	none	Score	64
Exons	133..333, 134..322, 378..554,	379..585	

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o2.tm	Method	TBLASTX:Maize
Start	578	End	1028
GI	none	Score	83
Exons	578..820, 583..894, 591..908,	601..894,	609..908, 870..1028,
	940..1020		

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o1.tw	Method	TBLASTX:Wheat
Start	681	End	1460
GI	none	Score	125
Exons	681..1025, 1131..1460, 1147..1458		

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o1.ts	Method	TBLASTX:Soybean
Start	1049	End	1433
GI	none	Score	94
Exons	1049..1315, 1092..1274, 1092..1433,	1147..1428	

Seq. No.	11710	Seq. ID	OJ990930_14.9B09.C17
Gene No.	24827	Strand	-
Start	97	End	1537
Name	OJ990930_14.9B09.C17.o3.tm	Method	TBLASTX:Maize
Start	1083	End	1464
GI	none	Score	91
Exons	1083..1463, 1168..1464		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o1.np	Method	AAT/NAP
Start	289	End	9074
GI	5263326	Score	1414
Exons	289..578, 1074..1242, 1345..1386, 2052..2081, 2169..2315, 2400..2540, 3057..3254, 3443..3595, 3819..4031, 4298..4393, 4495..4602, 4709..4813, 5107..5211, 5294..5356, 5526..5602, 5781..5859, 6159..6218, 6306..6364, 6426..6516, 6984..7036, 7325..7414, 8519..8616, 8719..8771, 8875..9074		
GI Descrip.	(AC007727) Similar to gb|U06698 neuronal kinesin heavy chain from Homo sapiens and contains a PF|00225 Kinesin motor domain. EST gb|AA042507 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o1.tc	Method	TBLASTX:Cress
Start	301	End	1407
GI	none	Score	97
Exons	301..486, 302..391, 1174..1245, 1190..1246, 1345..1407, 1345..1404		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o1.gs	Method	GENSCAN
Start	328	End	10611
GI	none	Score	.69
Exons	328..483, 1039..1242, 1345..1392, 2052..2102, 2190..2540, 3033..3254, 3443..3595, 3819..4001, 4247..4393, 4495..4602, 4709..4813, 5107..5211, 5294..5356, 6159..6218, 6306..6359, 6451..6516, 6984..7036, 7325..7438, 8519..8616, 8719..8819, 8845..9018, 9423..9571, 10115..10219, 10263..10611		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o2.tm	Method	TBLASTX:Maize
Start	382	End	3130
GI	none	Score	71
Exons	382..489, 390..494, 390..515, 606..644, 684..728, 1083..1136, 1092..1136, 1144..1239, 1145..1246, 1148..1243, 1149..1280, 1149..1259, 1327..1398, 1342..1398, 1346..1405, 2049..2102, 2049..2102, 2190..2321, 2191..2274, 2238..2294, 2395..2541, 2397..2540, 2401..2577, 2402..2581, 3032..3130, 3039..3128		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o1.gp	Method	AAT/GAP
Start	2169	End	3480
GI	uC-osflcyp024f08b1	Score	970
Exons	2169..2315, 2400..2540, 3033..3254, 3443..3480		
GI Descrip.	'5263326/gb|AAD41428.1|AC007727_17 4.0e-14 (AC007727) Similar to gb_U06698 neuronal kinesin heavy chain from Homo sapiens and		

contains a PF_00225 Kinesin motor domain. EST gb_AA042507 comes from this gene. [Arabidopsis thaliana]'

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o1.tw	Method	TBLASTX:Wheat
Start	2181	End	2558
GI	none	Score	80
Exons	2181..2312, 2394..2558, 2398..2553		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o1.tm	Method	TBLASTX:Maize
Start	3969	End	4608
GI	none	Score	128
Exons	3969..4037, 4238..4396, 4241..4396, 4492..4608, 4496..4600		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o1.ts	Method	TBLASTX:Soybean
Start	4301	End	5145
GI	none	Score	56
Exons	4301..4342, 4337..4393, 4359..4394, 4485..4547, 4492..4548, 4549..4608, 4550..4600, 4691..4813, 4701..4814, 5089..5145		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o2.gp	Method	AAT/GAP
Start	7327	End	9072
GI	uC-osroM202035b07b1	Score	1020
Exons	7327..7414, 8519..8616, 8719..9072		
GI Descrip.	'5263326/gb|AAD41428.1|AC007727_17 5.0e-25 (AC007727) Similar to gb_U06698 neuronal kinesin heavy chain from Homo sapiens and contains a PF_00225 Kinesin motor domain. EST gb_AA042507 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	11711	Seq. ID	OJ990930_14.9B09.C18
Gene No.	24828	Strand	-
Start	289	End	10611
Name	OJ990930_14.9B09.C18.o2.tc	Method	TBLASTX:Cress
Start	8520	End	8759
GI	none	Score	77
Exons	8520..8630, 8520..8630, 8521..8631, 8719..8754, 8721..8759		

Seq. No.	11712	Seq. ID	OJ990930_14.9B09.C20
Gene No.	24829	Strand	-
Start	690	End	836
Name	OJ990930_14.9B09.C20.o1.gs	Method	GENSCAN
Start	690	End	836
GI	none	Score	.64
Exons	690..836		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21

Gene No.	24830	Strand	+
Start	9401	End	12692
Name	OJ990930_14.9B09.C21.o1.np	Method	AAT/NAP
Start	9401	End	12689
GI	6907089	Score	5173
Exons	9401..10662, 10757..12689		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24830	Strand	+
Start	9401	End	12692
Name	OJ990930_14.9B09.C21.o5.gs	Method	GENSCAN
Start	9401	End	12692
GI	none	Score	.71
Exons	9401..10662, 10757..12692		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24831	Strand	-
Start	2024	End	3487
Name	OJ990930_14.9B09.C21.o2.gs	Method	GENSCAN
Start	2024	End	3487
GI	none	Score	.97
Exons	2024..2034, 2701..3487		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24832	Strand	-
Start	6192	End	8339
Name	OJ990930_14.9B09.C21.o4.gs	Method	GENSCAN
Start	6192	End	8339
GI	none	Score	.57
Exons	6192..6325, 6682..6820, 6961..7085, 7774..7780, 7843..7911, 8277..8339		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o1.tc	Method	TBLASTX:Cress
Start	3047	End	3226
GI	none	Score	82
Exons	3047..3226, 3126..3224		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o6.gs	Method	GENSCAN
Start	13321	End	16986
GI	none	Score	.74
Exons	13321..14137, 14246..15490, 15536..16986		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o2.np	Method	AAT/NAP
Start	13324	End	18969
GI	6498441	Score	6930
Exons	13324..13605, 13699..15096, 15268..15564, 15757..16183, 16358..16492, 16676..17049, 17113..17576, 17907..18969		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o7.tw	Method	TBLASTX:Wheat
Start	13333	End	13935
GI	none	Score	127
Exons	13333..13458, 13519..13935, 13645..13935		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o4.tw	Method	TBLASTX:Wheat
Start	13936	End	14316
GI	none	Score	169
Exons	13936..14316, 13967..14215		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o3.tm	Method	TBLASTX:Maize
Start	14122	End	14454
GI	none	Score	98
Exons	14122..14334, 14131..14454, 14144..14425		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o8.tw	Method	TBLASTX:Wheat
Start	14647	End	14959
GI	none	Score	67
Exons	14647..14907, 14783..14959		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o2.ts	Method	TBLASTX:Soybean
Start	14707	End	15273
GI	5666795	Score	68
Exons	14707..14907, 14962..15099, 15175..15273		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o5.tw	Method	TBLASTX:Wheat
Start	14962	End	15420
GI	none	Score	82
Exons	14962..15111, 14963..15100, 15131..15286, 15145..15396, 15146..15331, 15166..15420		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116

Name	OJ990930_14.9B09.C21.o1.ts	Method	TBLASTX:Soybean
Start	16021	End	16392
GI	none	Score	90
Exons	16021..16392, 16232..16375		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o2.tw	Method	TBLASTX:Wheat
Start	16051	End	16471
GI	none	Score	314
Exons	16051..16470, 16058..16471		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o2.tm	Method	TBLASTX:Maize
Start	16144	End	16528
GI	none	Score	238
Exons	16144..16527, 16163..16528		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o1.tm	Method	TBLASTX:Maize
Start	16555	End	16911
GI	none	Score	125
Exons	16555..16860, 16555..16911, 16565..16876		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o1.tw	Method	TBLASTX:Wheat
Start	16579	End	17042
GI	none	Score	218
Exons	16579..17040, 16585..17040, 16586..17041, 16599..17042		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o3.ts	Method	TBLASTX:Soybean
Start	16636	End	17001
GI	none	Score	118
Exons	16636..16770, 16777..17001		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o7.gs	Method	GENSCAN
Start	17050	End	20063
GI	none	Score	.57
Exons	17050..18393, 18411..18523, 18677..18767, 18785..19501, 19531..19635, 20001..20063		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116

Name	OJ990930_14.9B09.C21.o3.tw	Method	TBLASTX:Wheat
Start	17197	End	17692
GI	none	Score	171
Exons	17197..17691, 17237..17497, 17519..17692		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o6.tw	Method	TBLASTX:Wheat
Start	18429	End	18980
GI	none	Score	76
Exons	18429..18674, 18508..18702, 18669..18755, 18670..18750, 18773..18820, 18945..18980		

Seq. No.	11713	Seq. ID	OJ990930_14.9B09.C21
Gene No.	24833	Strand	-
Start	13321	End	20116
Name	OJ990930_14.9B09.C21.o3.np	Method	AAT/NAP
Start	19688	End	20116
GI	5042454	Score	183
Exons	19688..19741, 20001..20116		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11714	Seq. ID	OJ990930_14.9B09.C22
Gene No.	24834	Strand	-
Start	314	End	490
Name	OJ990930_14.9B09.C22.o1.gs	Method	GENSCAN
Start	314	End	490
GI	none	Score	.95
Exons	314..490		

Seq. No.	11715	Seq. ID	OJ990930_16.9B05.C2
Gene No.	24835	Strand	+
Start	107	End	424
Name	OJ990930_16.9B05.C2.o1.gs	Method	GENSCAN
Start	107	End	424
GI	none	Score	.77
Exons	107..424		

Seq. No.	11715	Seq. ID	OJ990930_16.9B05.C2
Gene No.	24836	Strand	-
Start	1	End	281
Name	OJ990930_16.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	281
GI	5733866	Score	87
Exons	1..281		
GI Descrip.	(AC007932) Contains similarity to gb|M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb|Z18033 and gb|Z34214 come from this gene. [Arabidopsis thaliana]		

Seq. No.	11715	Seq. ID	OJ990930_16.9B05.C2
Gene No.	24836	Strand	-
Start	1	End	281
Name	OJ990930_16.9B05.C2.o1.gp	Method	AAT/GAP
Start	107	End	272
GI	62844_1.R1084	Score	311

Exons	107..272		
GI Descrip.	'5733866/gb|AAD49754.1|AC007932_2 1.0e-26 (AC007932) Contains similarity to gb_M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb_Z18033 and gb_Z34214 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	11716	Seq. ID	OJ990930_16.9B05.C3
Gene No.	24837	Strand	+
Start	530	End	4388
Name	OJ990930_16.9B05.C3.o1.gp	Method	AAT/GAP
Start	530	End	1344
GI	426494	Score	661
Exons	530..624, 1044..1344		

Seq. No.	11716	Seq. ID	OJ990930_16.9B05.C3
Gene No.	24837	Strand	+
Start	530	End	4388
Name	OJ990930_16.9B05.C3.o1.gs	Method	GENSCAN
Start	1053	End	4388
GI	none	Score	.56
Exons	1053..1487, 2119..2304, 2663..2761, 3357..3494, 4335..4388		

Seq. No.	11716	Seq. ID	OJ990930_16.9B05.C3
Gene No.	24838	Strand	-
Start	4754	End	4954
Name	OJ990930_16.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	4674	End	4880
GI	none	Score	104
Exons	4674..4760, 4676..4759, 4766..4879, 4767..4880, 4767..4880		

Seq. No.	11716	Seq. ID	OJ990930_16.9B05.C3
Gene No.	24838	Strand	-
Start	4754	End	4954
Name	OJ990930_16.9B05.C3.o2.gs	Method	GENSCAN
Start	4754	End	4954
GI	none	Score	.51
Exons	4754..4954		

Seq. No.	11717	Seq. ID	OJ990930_16.9B05.C7
Gene No.	24839	Strand	+
Start	1	End	152
Name	OJ990930_16.9B05.C7.o1.gp	Method	AAT/GAP
Start	1	End	152
GI	none	Score	300
Exons	1..152		

Seq. No.	11717	Seq. ID	OJ990930_16.9B05.C7
Gene No.	24840	Strand	-
Start	2	End	367
Name	OJ990930_16.9B05.C7.o1.gs	Method	GENSCAN
Start	2	End	367
GI	none	Score	.97
Exons	2..367		

Seq. No.	11717	Seq. ID	OJ990930_16.9B05.C7
Gene No.	24841	Strand	-
Start	342	End	444

Name	OJ990930_16.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	444
GI	none	Score	476
Exons	3..377, 44..439, 49..444, 77..439		

Seq. No.	11717	Seq. ID	OJ990930_16.9B05.C7
Gene No.	24841	Strand	-
Start	342	End	444
Name	OJ990930_16.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	63	End	442
GI	none	Score	56
Exons	63..119, 65..103, 104..442, 105..380		

Seq. No.	11717	Seq. ID	OJ990930_16.9B05.C7
Gene No.	24841	Strand	-
Start	342	End	444
Name	OJ990930_16.9B05.C7.o2.gp	Method	AAT/GAP
Start	342	End	444
GI	LIB3432-019-P1-K1-E9	Score	206
Exons	342..444		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	11718	Seq. ID	OJ990930_16.9B05.C9
Gene No.	24842	Strand	+
Start	96	End	974
Name	OJ990930_16.9B05.C9.o1.gs	Method	GENSCAN
Start	96	End	974
GI	none	Score	.59
Exons	96..208, 443..491, 869..974		

Seq. No.	11718	Seq. ID	OJ990930_16.9B05.C9
Gene No.	24843	Strand	-
Start	1866	End	2458
Name	OJ990930_16.9B05.C9.o2.gs	Method	GENSCAN
Start	1866	End	2458
GI	none	Score	.56
Exons	1866..1930, 2146..2195, 2376..2458		

Seq. No.	11719	Seq. ID	OJ990930_16.9B05.C10
Gene No.	24844	Strand	+
Start	3173	End	3678
Name	OJ990930_16.9B05.C10.o1.gp	Method	AAT/GAP
Start	3173	End	3678
GI	38782_1.R1084	Score	797
Exons	3173..3678		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	11719	Seq. ID	OJ990930_16.9B05.C10
Gene No.	24845	Strand	-
Start	1	End	3426
Name	OJ990930_16.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	1704
GI	6907086	Score	1241
Exons	1..304, 355..405, 642..877, 937..1704		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	11719	Seq. ID	OJ990930_16.9B05.C10
Gene No.	24845	Strand	-
Start	1	End	3426
Name	OJ990930_16.9B05.C10.o2.np	Method	AAT/NAP
Start	809	End	3426
GI	4680186	Score	185
Exons	809..869, 2661..2839, 3367..3426		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11719	Seq. ID	OJ990930_16.9B05.C10
Gene No.	24846	Strand	-
Start	8312	End	8972
Name	OJ990930_16.9B05.C10.o2.gs	Method	GENSCAN
Start	8312	End	8972
GI	none	Score	.56
Exons	8312..8540, 8617..8850, 8926..8972		

Seq. No.	11720	Seq. ID	OJ990930_16.9B05.C11
Gene No.	24847	Strand	+
Start	1	End	1306
Name	OJ990930_16.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	1306
GI	81286	Score	173
Exons	1..526, 1240..1306		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	11720	Seq. ID	OJ990930_16.9B05.C11
Gene No.	24848	Strand	-
Start	123	End	417
Name	OJ990930_16.9B05.C11.o1.gs	Method	GENSCAN
Start	123	End	417
GI	none	Score	.64
Exons	123..222, 267..417		

Seq. No.	11721	Seq. ID	OJ990930_16.9B05.C12
Gene No.	24849	Strand	+
Start	1386	End	1667
Name	OJ990930_16.9B05.C12.o1.gs	Method	GENSCAN
Start	1386	End	1667
GI	none	Score	.47
Exons	1386..1446, 1540..1667		

Seq. No.	11721	Seq. ID	OJ990930_16.9B05.C12
Gene No.	24850	Strand	-
Start	598	End	687
Name	OJ990930_16.9B05.C12.o1.gp	Method	AAT/GAP
Start	598	End	687
GI	2310359	Score	93
Exons	598..687		
GI Descrip.	5777612/emb|AJ245900.1|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24851	Strand	+

Start	4636	End	7757
Name	OJ990930_16.9B05.C13.o2.gs	Method	GENSCAN
Start	4636	End	7757
GI	none	Score	.82
Exons	4636..4807, 4983..5158, 5661..5847, 6008..6394, 7017..7284, 7622..7757		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24851	Strand	+
Start	4636	End	7757
Name	OJ990930_16.9B05.C13.o1.np	Method	AAT/NAP
Start	7014	End	7285
GI	4406782	Score	221
Exons	7014..7285		
GI Descrip.	(AC006532) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24852	Strand	-
Start	75	End	3758
Name	OJ990930_16.9B05.C13.o1.gs	Method	GENSCAN
Start	75	End	3758
GI	none	Score	.55
Exons	75..248, 1706..1849, 3685..3758		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24853	Strand	-
Start	7143	End	7553
Name	OJ990930_16.9B05.C13.o1.gp	Method	AAT/GAP
Start	7143	End	7553
GI	uC-osflcyp083f04a1	Score	775
Exons	7143..7553		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24854	Strand	-
Start	8697	End	16550
Name	OJ990930_16.9B05.C13.o2.ts	Method	TBLASTX:Soybean
Start	7009	End	7291
GI	none	Score	60
Exons	7009..7113, 7034..7084, 7087..7284, 7088..7291		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24854	Strand	-
Start	8697	End	16550
Name	OJ990930_16.9B05.C13.o3.gs	Method	GENSCAN
Start	8697	End	16550
GI	none	Score	.81
Exons	8697..8850, 9420..9641, 9994..10216, 10916..11270, 12141..12251, 12954..13086, 13658..13826, 13921..14533, 14672..14766, 14803..15007, 15220..15631, 16269..16550		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24854	Strand	-
Start	8697	End	16550
Name	OJ990930_16.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	8814	End	11061

GI	none	Score	256
Exons	8814..8849, 9415..9456, 9418..9642, 9419..9643, 9420..9644, 9992..10186, 9993..10187, 9993..10211, 10033..10212, 10912..11061, 10915..11031, 10923..11060		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24854	Strand	-
Start	8697	End	16550
Name	OJ990930_16.9B05.C13.o3.ts	Method	TBLASTX:Soybean
Start	10995	End	12252
GI	none	Score	106
Exons	10995..11204, 10996..11223, 11184..11270, 11208..11258, 12163..12252, 12165..12251		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24854	Strand	-
Start	8697	End	16550
Name	OJ990930_16.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	12720	End	14392
GI	none	Score	143
Exons	12720..12902, 12727..12891, 12728..12907, 12867..12941, 12869..12985, 12874..12960, 12876..12986, 12957..13088, 12969..13085, 13640..13810, 13653..13856, 13653..13826, 13657..13827, 13900..14136, 13913..14137, 13920..13994, 13927..14139, 14029..14142, 14065..14193, 14162..14392, 14163..14207, 14164..14382		

Seq. No.	11722	Seq. ID	OJ990930_16.9B05.C13
Gene No.	24854	Strand	-
Start	8697	End	16550
Name	OJ990930_16.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	14216	End	14806
GI	none	Score	65
Exons	14216..14296, 14234..14290, 14273..14503, 14298..14480, 14300..14491, 14669..14806		

Seq. No.	11723	Seq. ID	OJ990930_16.9B05.C14
Gene No.	24855	Strand	+
Start	1157	End	1513
Name	OJ990930_16.9B05.C14.o1.gs	Method	GENSCAN
Start	1157	End	1513
GI	none	Score	.97
Exons	1157..1513		

Seq. No.	11723	Seq. ID	OJ990930_16.9B05.C14
Gene No.	24856	Strand	+
Start	6279	End	6518
Name	OJ990930_16.9B05.C14.o3.gs	Method	GENSCAN
Start	6279	End	6518
GI	none	Score	.58
Exons	6279..6518		

Seq. No.	11723	Seq. ID	OJ990930_16.9B05.C14
Gene No.	24857	Strand	-
Start	1974	End	6666
Name	OJ990930_16.9B05.C14.o2.gs	Method	GENSCAN
Start	1974	End	3376

GI	none	Score	.56
Exons	1974..2092, 2597..2682, 2765..2877, 3053..3376		

Seq. No.	11723	Seq. ID	OJ990930_16.9B05.C14
Gene No.	24857	Strand	-
Start	1974	End	6666
Name	OJ990930_16.9B05.C14.o1.np	Method	AAT/NAP
Start	2455	End	6666
GI	6714290	Score	328
Exons	2455..2523, 2740..2838, 3053..3382, 3496..3575, 3805..3907, 4413..4547, 6644..6666		
GI Descrip.	(AC013354) F15H18.15 [Arabidopsis thaliana]		

Seq. No.	11723	Seq. ID	OJ990930_16.9B05.C14
Gene No.	24858	Strand	-
Start	6928	End	8084
Name	OJ990930_16.9B05.C14.o4.gs	Method	GENSCAN
Start	6928	End	8084
GI	none	Score	.51
Exons	6928..7009, 7379..7437, 7454..7475, 7923..8084		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24859	Strand	-
Start	1	End	75
Name	OJ990930_16.9B05.C16.o1.gp	Method	AAT/GAP
Start	1	End	75
GI	2310496	Score	146
Exons	1..75		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o1.gs	Method	GENSCAN
Start	584	End	7115
GI	none	Score	.94
Exons	584..835, 924..1024, 1156..1390, 1426..1450, 1675..1744, 2446..2537, 2611..2659, 2877..3047, 3157..3256, 3604..3706, 3984..4081, 4174..4329, 4410..4821, 4848..5045, 5108..5127, 5237..5320, 5399..5560, 5625..5768, 5860..5974, 6007..6100, 7061..7115		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	584	End	4484
GI	none	Score	194
Exons	584..676, 650..835, 654..836, 699..842, 706..843, 902..1003, 903..1025, 947..1027, 957..1025, 1150..1290, 1154..1291, 1155..1298, 1235..1327, 1265..1393, 1266..1391, 1298..1393, 1309..1407, 1500..1535, 1500..1526, 1502..1552, 1672..1746, 1674..1745, 2435..2536, 2446..2538, 2446..2541, 2613..2660, 2613..2660, 2614..2661, 2614..2661, 2872..3027, 2881..2997, 2882..3016, 3014..3052, 3016..3048, 3158..3256, 3168..3257, 3295..3474, 3330..3476, 3330..3476, 3604..3756, 3605..3754, 3613..3768, 3831..3893, 3832..3900, 3838..3900, 3986..4081, 3987..4088, 3993..4085, 3994..4089, 4168..4335, 4173..4211,		

4175..4336, 4413..4484, 4426..4482

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o1.np	Method	AAT/NAP
Start	586	End	7156
GI	5731756	Score	2072
Exons	586..835, 927..1016, 1151..1390, 1500..1548, 1675..1744, 2446..2600, 2824..3056, 3157..3253, 3330..3473, 3604..3756, 3846..3894, 3984..4081, 4210..4329, 4410..4766, 4847..4921, 5237..5320, 5399..5560, 5625..5768, 5860..6100, 7061..7156		
GI Descrip.	(AL109819) putative protein [Arabidopsis thaliana]		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o1.tc	Method	TBLASTX:Cress
Start	650	End	823
GI	none	Score	129
Exons	650..823, 660..821		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o2.ts	Method	TBLASTX:Soybean
Start	650	End	3456
GI	none	Score	181
Exons	650..856, 654..836, 936..1028, 954..1025, 1154..1381, 1155..1292, 1166..1312, 1262..1393, 1323..1391, 1668..1751, 1674..1697, 1680..1745, 1694..1753, 2435..2533, 2448..2519, 2873..2968, 2878..3036, 2881..3000, 3342..3455, 3352..3456		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o2.tc	Method	TBLASTX:Cress
Start	2899	End	3639
GI	none	Score	116
Exons	2899..2985, 3185..3235, 3330..3476, 3352..3474, 3604..3639		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o3.ts	Method	TBLASTX:Soybean
Start	4168	End	4336
GI	none	Score	148
Exons	4168..4335, 4175..4336		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o1.ts	Method	TBLASTX:Soybean
Start	4444	End	4913
GI	none	Score	144
Exons	4444..4569, 4449..4724, 4458..4724, 4642..4725, 4829..4906, 4848..4913		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o2.tm	Method	TBLASTX:Maize
Start	4602	End	4900
GI	none	Score	114
Exons	4602..4766, 4602..4769, 4630..4770, 4661..4801, 4829..4900, 4848..4898		

Seq. No.	11724	Seq. ID	OJ990930_16.9B05.C16
Gene No.	24860	Strand	-
Start	584	End	7156
Name	OJ990930_16.9B05.C16.o4.ts	Method	TBLASTX:Soybean
Start	5396	End	5675
GI	none	Score	108
Exons	5396..5524, 5396..5527, 5539..5565, 5625..5675, 5625..5675		

Seq. No.	11725	Seq. ID	OJ990930_16.9B05.C17
Gene No.	24861	Strand	+
Start	168	End	1917
Name	OJ990930_16.9B05.C17.o1.gs	Method	GENSCAN
Start	168	End	1917
GI	none	Score	.69
Exons	168..291, 848..1159, 1778..1917		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24862	Strand	+
Start	11	End	5522
Name	OJ990930_16.9B05.C18.o1.gp	Method	AAT/GAP
Start	11	End	1800
GI	2442798	Score	616
Exons	11..105, 223..296, 1441..1582, 1731..1800		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24862	Strand	+
Start	11	End	5522
Name	OJ990930_16.9B05.C18.o1.gs	Method	GENSCAN
Start	244	End	5522
GI	none	Score	.72
Exons	244..296, 1850..2018, 2097..2250, 2297..3265, 3388..3626, 3811..3848, 4069..4180, 5466..5522		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24862	Strand	+
Start	11	End	5522
Name	OJ990930_16.9B05.C18.o1.np	Method	AAT/NAP
Start	1833	End	5004
GI	2702270	Score	1185
Exons	1833..2018, 2097..2238, 2315..3252, 3387..3626, 3707..3780, 4069..4166, 4961..5004		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24862	Strand	+
Start	11	End	5522
Name	OJ990930_16.9B05.C18.o2.gp	Method	AAT/GAP

Start	2572	End	3743
GI	11144_1.R1084	Score	1835
Exons	2572..3265, 3388..3626, 3707..3743		
GI Descrip.	'2702270 4.0e-91 (AC003033) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24863	Strand	+
Start	10532	End	13418
Name	OJ990930_16.9B05.C18.o4.gp	Method	AAT/GAP
Start	10437	End	10981
GI	27257_1.R1084	Score	729
Exons	10437..10604, 10680..10981		
GI Descrip.	'4097948 2.0e-29 (U72255) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24863	Strand	+
Start	10532	End	13418
Name	OJ990930_16.9B05.C18.o2.np	Method	AAT/NAP
Start	10532	End	11738
GI	4097948	Score	1819
Exons	10532..10604, 10680..11738		
GI Descrip.	(U72255) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24863	Strand	+
Start	10532	End	13418
Name	OJ990930_16.9B05.C18.o3.gs	Method	GENSCAN
Start	10532	End	13042
GI	none	Score	.76
Exons	10532..12038, 13008..13042		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24863	Strand	+
Start	10532	End	13418
Name	OJ990930_16.9B05.C18.o5.gp	Method	AAT/GAP
Start	10971	End	11664
GI	65422_1.R1084	Score	1239
Exons	10971..11664		
GI Descrip.	'4097948 1.0e-102 (U72255) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24863	Strand	+
Start	10532	End	13418
Name	OJ990930_16.9B05.C18.o6.gp	Method	AAT/GAP
Start	11742	End	13418
GI	90989_1.R1084	Score	1338
Exons	11742..12038, 13008..13418		
GI Descrip.	'4558591/gb|AAD22663.1|AC006555_1 3.0e-28 (AC006555) putative beta-1,3-glucanase [Arabidopsis thaliana] >gi_4662638_gb_AAD26909.1_AC007233_1 (AC007233) putative beta-1,3-glucanase [Arabidopsis thaliana]'		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24863	Strand	+

Start	10532	End	13418
Name	OJ990930_16.9B05.C18.o3.np	Method	AAT/NAP
Start	11759	End	12133
GI	4585922	Score	178
Exons	11759..12133		
GI Descrip.	(AC007211) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24864	Strand	-
Start	7896	End	8555
Name	OJ990930_16.9B05.C18.o2.gs	Method	GENSCAN
Start	7896	End	8555
GI	none	Score	.58
Exons	7896..8022, 8112..8151, 8546..8555		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o5.tm	Method	TBLASTX:Maize
Start	1437	End	1871
GI	none	Score	139
Exons	1437..1574, 1438..1578, 1439..1594, 1728..1871, 1729..1860, 1730..1870		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o4.tm	Method	TBLASTX:Maize
Start	1902	End	2221
GI	none	Score	185
Exons	1902..2018, 1902..2018, 1903..2019, 1943..2023, 2081..2221, 2097..2219, 2111..2221		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o2.tm	Method	TBLASTX:Maize
Start	2222	End	3500
GI	none	Score	39
Exons	2222..2251, 2310..3260, 2319..3248, 2320..3264, 2542..3264, 3062..3265, 3366..3500, 3389..3499		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o4.ts	Method	TBLASTX:Soybean
Start	2619	End	2813
GI	none	Score	259
Exons	2619..2813, 2620..2811		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o2.ts	Method	TBLASTX:Soybean
Start	2826	End	3557
GI	none	Score	127
Exons	2826..3029, 2829..3269, 2830..3264, 3395..3478, 3396..3557		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o1.tw	Method	TBLASTX:Wheat
Start	10654	End	11080
GI	none	Score	252
Exons	10654..10743, 10664..10984, 10777..10977, 10918..11001, 10994..11080, 10999..11079		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o1.ts	Method	TBLASTX:Soybean
Start	10676	End	11650
GI	none	Score	790
Exons	10676..11374, 10678..11361, 11381..11512, 11513..11650, 11518..11646		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o1.tm	Method	TBLASTX:Maize
Start	10677	End	11833
GI	none	Score	78
Exons	10677..10733, 10678..11154, 10679..11155, 11155..11376, 11156..11377, 11380..11442, 11381..11662, 11518..11661, 11789..11833		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o1.tc	Method	TBLASTX:Cress
Start	10681	End	12037
GI	none	Score	223
Exons	10681..10734, 10682..10981, 10837..10971, 11066..11377, 11068..11274, 11305..11376, 11381..11500, 11516..11656, 11795..12037		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o3.ts	Method	TBLASTX:Soybean
Start	11786	End	12039
GI	none	Score	320
Exons	11786..12037, 11788..12039		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o2.tw	Method	TBLASTX:Wheat
Start	11801	End	12040
GI	none	Score	100
Exons	11801..11875, 11806..11847, 11876..11968, 11884..11967, 11932..12036, 11933..12040		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18

Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o3.tm	Method	TBLASTX:Maize
Start	11837	End	13322
GI	none	Score	358
Exons	11837..12037, 11884..12039, 11884..12036, 13007..13063, 13007..13060, 13277..13318, 13277..13318, 13278..13322, 13279..13320		

Seq. No.	11726	Seq. ID	OJ990930_16.9B05.C18
Gene No.	24865	Strand	-
Start	13664	End	14416
Name	OJ990930_16.9B05.C18.o4.gs	Method	GENSCAN
Start	13664	End	14416
GI	none	Score	.56
Exons	13664..13746, 13908..13993, 14025..14416		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24866	Strand	+
Start	5290	End	9135
Name	OJ990930_16.9B05.C19.o2.np	Method	AAT/NAP
Start	5290	End	8926
GI	140506	Score	197
Exons	5290..5361, 7565..7809, 8884..8926		
GI Descrip.	PROBABLE INTRON MATURASE gi|82531|pir||JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi|11959|emb|CAA34008| (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi|226626|prf||1603356B trnK intron ORF 542 [Oryza sativa]		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24866	Strand	+
Start	5290	End	9135
Name	OJ990930_16.9B05.C19.o3.np	Method	AAT/NAP
Start	7710	End	9135
GI	5852084	Score	87
Exons	7710..7765, 9052..9135		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24867	Strand	+
Start	9635	End	9866
Name	OJ990930_16.9B05.C19.o3.gs	Method	GENSCAN
Start	9635	End	9866
GI	none	Score	.9
Exons	9635..9700, 9741..9866		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24868	Strand	-
Start	2265	End	4233
Name	OJ990930_16.9B05.C19.o1.gp	Method	AAT/GAP
Start	1993	End	4233
GI	210_1.R1084	Score	2525
Exons	1993..2886, 3479..3708, 4030..4233		
GI Descrip.	'2952328 1.0e-173 (AF049889) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]'		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19

Gene No.	24868	Strand	-
Start	2265	End	4233
Name	OJ990930_16.9B05.C19.o1.gs	Method	GENSCAN
Start	2265	End	4143
GI	none	Score	.92
Exons	2265..3024, 3479..3708, 4030..4143		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24868	Strand	-
Start	2265	End	4233
Name	OJ990930_16.9B05.C19.o1.np	Method	AAT/NAP
Start	2268	End	4143
GI	2952328	Score	1606
Exons	2268..2886, 3479..3708, 4030..4143		
GI Descrip.	(AF049889) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24869	Strand	-
Start	5577	End	8695
Name	OJ990930_16.9B05.C19.o2.gs	Method	GENSCAN
Start	5577	End	8695
GI	none	Score	.72
Exons	5577..5865, 6041..6155, 7219..7312, 8059..8112, 8690..8695		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24870	Strand	-
Start	11947	End	12491
Name	OJ990930_16.9B05.C19.o1.ts	Method	TBLASTX:Soybean
Start	2251	End	4125
GI	none	Score	88
Exons	2251..2388, 2265..2396, 2457..2888, 2458..2775, 2836..2889, 3476..3556, 3478..3576, 3613..3711, 3614..3706, 4018..4125, 4030..4119, 4031..4123		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24870	Strand	-
Start	11947	End	12491
Name	OJ990930_16.9B05.C19.o1.tw	Method	TBLASTX:Wheat
Start	2263	End	2619
GI	none	Score	38
Exons	2263..2289, 2283..2396, 2313..2390, 2457..2618, 2458..2619		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24870	Strand	-
Start	11947	End	12491
Name	OJ990930_16.9B05.C19.o1.tc	Method	TBLASTX:Cress
Start	2274	End	4160
GI	none	Score	70
Exons	2274..2396, 2275..2391, 2457..2903, 2458..2775, 3478..3573, 3604..3711, 3614..3709, 4018..4125, 4137..4160		

Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24870	Strand	-
Start	11947	End	12491
Name	OJ990930_16.9B05.C19.o1.tm	Method	TBLASTX:Maize
Start	2307	End	2810

GI	none	Score	90
Exons	2307..2381, 2460..2600, 2461..2601, 2586..2744, 2586..2810, 2596..2784		
Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24870	Strand	-
Start	11947	End	12491
Name	OJ990930_16.9B05.C19.o2.tm	Method	TBLASTX:Maize
Start	2811	End	4141
GI	none	Score	115
Exons	2811..2888, 2812..2904, 3478..3711, 3479..3706, 3550..3711, 4018..4134, 4030..4134, 4073..4141		
Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24870	Strand	-
Start	11947	End	12491
Name	OJ990930_16.9B05.C19.o2.tw	Method	TBLASTX:Wheat
Start	7616	End	7799
GI	none	Score	95
Exons	7616..7678, 7617..7691, 7664..7789, 7665..7799		
Seq. No.	11727	Seq. ID	OJ990930_16.9B05.C19
Gene No.	24870	Strand	-
Start	11947	End	12491
Name	OJ990930_16.9B05.C19.o4.gs	Method	GENSCAN
Start	11947	End	12491
GI	none	Score	.73
Exons	11947..12192, 12414..12491		
Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24871	Strand	+
Start	504	End	830
Name	OJ990930_16.9B05.C22.o1.gs	Method	GENSCAN
Start	504	End	830
GI	none	Score	.84
Exons	504..830		
Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24872	Strand	+
Start	5464	End	9197
Name	OJ990930_16.9B05.C22.o2.np	Method	AAT/NAP
Start	5443	End	9197
GI	4056425	Score	476
Exons	5443..5708, 5821..5914, 8724..8781, 8868..8911, 9015..9197		
GI Descrip.	(AC005322) ESTs gb|H36249, gb|AA59732 and gb|AA651219 come from this gene. [Arabidopsis thaliana]		
Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24872	Strand	+
Start	5464	End	9197
Name	OJ990930_16.9B05.C22.o3.gs	Method	GENSCAN
Start	5464	End	9124
GI	none	Score	.92
Exons	5464..5708, 5821..5914, 7463..7555, 8724..8781, 9015..9124		
Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24873	Strand	+

Start	10735	End	11701
Name	OJ990930_16.9B05.C22.o4.gs	Method	GENSCAN
Start	10735	End	11685
GI	none	Score	.85
Exons	10735..11685		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24873	Strand	+
Start	10735	End	11701
Name	OJ990930_16.9B05.C22.o2.gp	Method	AAT/GAP
Start	11385	End	11701
GI	LIB3434-037-P1-K1-B12	Score	606
Exons	11385..11701		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 2.0e-33 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24874	Strand	-
Start	394	End	851
Name	OJ990930_16.9B05.C22.o1.gp	Method	AAT/GAP
Start	394	End	851
GI	none	Score	904
Exons	394..851		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24875	Strand	-
Start	1033	End	4543
Name	OJ990930_16.9B05.C22.o2.gs	Method	GENSCAN
Start	1033	End	4543
GI	none	Score	.47
Exons	1033..1188, 1260..1424, 1467..1623, 2046..2185, 2390..2464, 3090..3376, 4489..4543		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24875	Strand	-
Start	1033	End	4543
Name	OJ990930_16.9B05.C22.o1.np	Method	AAT/NAP
Start	1107	End	1623
GI	3643598	Score	323
Exons	1107..1623		
GI Descrip.	(AC005395) putative poly(A) polymerase [Arabidopsis thaliana]		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24876	Strand	-
Start	10332	End	10428
Name	OJ990930_16.9B05.C22.o3.np	Method	AAT/NAP
Start	10332	End	10428
GI	4680191	Score	51
Exons	10332..10428		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-

Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o1.tc	Method	TBLASTX:Cress
Start	1065	End	1367
GI	none	Score	64
Exons	1065..1118, 1144..1245, 1160..1246, 1231..1365, 1239..1367		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o2.tm	Method	TBLASTX:Maize
Start	1065	End	1419
GI	none	Score	70
Exons	1065..1118, 1144..1245, 1157..1246, 1230..1403, 1231..1419, 1239..1412		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o2.tw	Method	TBLASTX:Wheat
Start	1071	End	1308
GI	none	Score	73
Exons	1071..1118, 1144..1245, 1231..1308, 1239..1307		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o1.ts	Method	TBLASTX:Soybean
Start	1144	End	1564
GI	none	Score	54
Exons	1144..1245, 1168..1245, 1231..1419, 1239..1412, 1508..1564		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o2.ts	Method	TBLASTX:Soybean
Start	5580	End	9170
GI	none	Score	129
Exons	5580..5711, 5584..5709, 5818..5916, 5822..5914, 8721..8837, 8733..8786, 8867..8911, 9012..9170, 9014..9112		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o2.tc	Method	TBLASTX:Cress
Start	5599	End	5908
GI	none	Score	127
Exons	5599..5709, 5604..5711, 5818..5907, 5822..5908		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o3.tm	Method	TBLASTX:Maize
Start	5839	End	9166
GI	none	Score	105
Exons	5839..5913, 5840..5941, 8696..8779, 8733..8786, 8866..8919, 8867..8911, 8991..9164, 9012..9164, 9014..9166, 9014..9166		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o1.tw	Method	TBLASTX:Wheat
Start	8864	End	9205
GI	none	Score	80
Exons	8864..8917, 8866..8919, 8867..8911, 9012..9191, 9012..9188, 9013..9189, 9014..9193, 9014..9205		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o1.tm	Method	TBLASTX:Maize
Start	10939	End	11703
GI	none	Score	38
Exons	10939..10983, 11112..11156, 11127..11339, 11137..11340, 11328..11402, 11332..11445, 11445..11633, 11446..11661, 11452..11703		

Seq. No.	11728	Seq. ID	OJ990930_16.9B05.C22
Gene No.	24877	Strand	-
Start	13016	End	13288
Name	OJ990930_16.9B05.C22.o5.gs	Method	GENSCAN
Start	13016	End	13288
GI	none	Score	.67
Exons	13016..13288		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o1.np	Method	AAT/NAP
Start	1	End	4336
GI	4090943	Score	1714
Exons	1..165, 780..857, 1331..1486, 1602..1961, 2100..2254, 2358..2423, 2786..2864, 2957..3112, 3205..3303, 3572..3676, 3752..3935, 4062..4336		
GI Descrip.	(AF029984) COP1 homolog [Lycopersicon esculentum]		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o2.tc	Method	TBLASTX:Cress
Start	1	End	842
GI	none	Score	254
Exons	1..153, 3..191, 753..842		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o1.gs	Method	GENSCAN
Start	13	End	3931
GI	none	Score	.89
Exons	13..165, 780..857, 1331..1486, 1602..1961, 2100..2254, 2358..2423, 2786..2864, 2957..3112, 3205..3322, 3735..3931		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+

Start	1	End	4336
Name	OJ990930_16.9B05.C23.o3.tc	Method	TBLASTX:Cress
Start	1462	End	1742
GI	none	Score	185
Exons	1462..1488, 1599..1742, 1607..1741		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o3.tm	Method	TBLASTX:Maize
Start	2100	End	2415
GI	none	Score	195
Exons	2100..2291, 2100..2255, 2102..2263, 2353..2415, 2355..2414		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o1.ts	Method	TBLASTX:Soybean
Start	2214	End	3781
GI	none	Score	75
Exons	2214..2291, 2353..2406, 2355..2423, 2781..2867, 2783..2866, 2956..3111, 2957..3112, 3197..3304, 3198..3287, 3198..3305, 3203..3304, 3205..3306, 3557..3676, 3558..3677, 3566..3691, 3571..3690, 3746..3781		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o1.tc	Method	TBLASTX:Cress
Start	2781	End	3305
GI	none	Score	108
Exons	2781..2867, 2816..2857, 2942..3112, 2962..3105, 3205..3300, 3222..3305		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o2.tm	Method	TBLASTX:Maize
Start	2781	End	3118
GI	none	Score	109
Exons	2781..2867, 2957..3118, 2986..3096		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o1.gp	Method	AAT/GAP
Start	3189	End	3965
GI	2310219	Score	711
Exons	3189..3303, 3572..3676, 3752..3965		
GI Descrip.	2702280 7.0e-63 (AC003033) photomorphogenesis repressor COP1 [Arabidopsis thaliana]		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o1.tm	Method	TBLASTX:Maize
Start	3201	End	3935

GI	none	Score	132
Exons	3201..3305, 3201..3305, 3202..3306, 3566..3691, 3566..3676, 3571..3690, 3751..3933, 3752..3934, 3759..3935		

Seq. No.	11729	Seq. ID	OJ990930_16.9B05.C23
Gene No.	24878	Strand	+
Start	1	End	4336
Name	OJ990930_16.9B05.C23.o2.ts	Method	TBLASTX:Soybean
Start	3782	End	3934
GI	none	Score	200
Exons	3782..3934, 3784..3933		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24879	Strand	+
Start	80	End	6075
Name	OJ990930_16.9B05.C25.o1.gs	Method	GENSCAN
Start	80	End	5835
GI	none	Score	.72
Exons	80..278, 307..601, 3635..3693, 4618..4741, 4919..5139, 5269..5378, 5539..5835		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24879	Strand	+
Start	80	End	6075
Name	OJ990930_16.9B05.C25.o1.gp	Method	AAT/GAP
Start	4781	End	6075
GI	73779_1.R1084	Score	1726
Exons	4781..5139, 5269..5378, 5539..5657, 5745..6075		
GI Descrip.	'5669654/gb|AAD46412.1|AF096262_1 5.0e-09 (AF096262) ER6 protein [Lycopersicon esculentum]'		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24879	Strand	+
Start	80	End	6075
Name	OJ990930_16.9B05.C25.o2.np	Method	AAT/NAP
Start	4965	End	5817
GI	6714413	Score	418
Exons	4965..5139, 5269..5378, 5539..5657, 5745..5817		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24880	Strand	-
Start	1	End	105
Name	OJ990930_16.9B05.C25.o1.np	Method	AAT/NAP
Start	1	End	105
GI	2651303	Score	77
Exons	1..105		
GI Descrip.	(AC002336) putative potassium transporter [Arabidopsis thaliana]		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o2.tm	Method	TBLASTX:Maize
Start	4952	End	5142
GI	none	Score	287
Exons	4952..5137, 4953..5138, 5040..5138, 5053..5142		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o2.tc	Method	TBLASTX:Cress
Start	4976	End	5814
GI	none	Score	171
Exons	4976..5137, 4977..5138, 5271..5390, 5527..5658, 5536..5661, 5742..5813, 5743..5814		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o2.ts	Method	TBLASTX:Soybean
Start	4977	End	5811
GI	none	Score	146
Exons	4977..5138, 4982..5137, 5271..5390, 5536..5661, 5743..5811		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o3.tm	Method	TBLASTX:Maize
Start	5271	End	5811
GI	none	Score	91
Exons	5271..5390, 5536..5661, 5734..5811		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o2.gp	Method	AAT/GAP
Start	6226	End	8701
GI	2047_1.R1084	Score	1636
Exons	6226..6626, 6828..6925, 7169..7282, 7352..7409, 7541..7630, 8177..8268, 8661..8701		
GI Descrip.	'5733866/gb|AAD49754.1|AC007932_2 1.0e-118 (AC007932) Contains similarity to gb_M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb_Z18033 and gb_Z34214 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o2.gs	Method	GENSCAN
Start	6307	End	8268
GI	none	Score	.91
Exons	6307..6386, 6436..6626, 6828..6925, 7169..7282, 7352..7409, 7541..7630, 8177..8268		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o1.tm	Method	TBLASTX:Maize
Start	6408	End	8701
GI	none	Score	277
Exons	6408..6629, 6409..6633, 6410..6628, 6411..6632, 6830..6922, 6830..6925, 7168..7278, 7169..7282, 7332..7412, 7350..7412, 7384..7413, 7512..7631, 7543..7632, 7543..7629, 8181..8270, 8182..8268, 8659..8688, 8660..8701		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o1.ts	Method	TBLASTX:Soybean
Start	6422	End	7644
GI	none	Score	198
Exons	6422..6628, 6426..6629, 6822..6926, 6830..6925, 7169..7279, 7169..7282, 7171..7296, 7215..7283, 7332..7439, 7353..7412, 7541..7582, 7541..7582, 7543..7584, 7588..7644, 7588..7629		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o3.np	Method	AAT/NAP
Start	6425	End	8701
GI	5733866	Score	703
Exons	6425..6626, 6828..6925, 7169..7282, 7352..7409, 7541..7630, 8177..8268, 8661..8701		
GI Descrip.	(AC007932) Contains similarity to gb|M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb|Z18033 and gb|Z34214 come from this gene. [Arabidopsis thaliana]		

Seq. No.	11730	Seq. ID	OJ990930_16.9B05.C25
Gene No.	24881	Strand	-
Start	6226	End	8701
Name	OJ990930_16.9B05.C25.o1.tc	Method	TBLASTX:Cress
Start	6437	End	6889
GI	none	Score	100
Exons	6437..6574, 6440..6628, 6441..6629, 6830..6889		

Seq. No.	11731	Seq. ID	OJ990920_19.9B02.C3
Gene No.	24882	Strand	+
Start	1	End	1538
Name	OJ990920_19.9B02.C3.o1.np	Method	AAT/NAP
Start	1	End	1187
GI	6742729	Score	951
Exons	1..1187		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	11731	Seq. ID	OJ990920_19.9B02.C3
Gene No.	24882	Strand	+
Start	1	End	1538
Name	OJ990920_19.9B02.C3.o2.tw	Method	TBLASTX:Wheat
Start	2	End	352
GI	none	Score	169
Exons	2..232, 31..231, 268..351, 269..352		

Seq. No.	11731	Seq. ID	OJ990920_19.9B02.C3
Gene No.	24882	Strand	+
Start	1	End	1538
Name	OJ990920_19.9B02.C3.o1.gs	Method	GENSCAN
Start	32	End	1494
GI	none	Score	.63
Exons	32..161, 755..1151, 1195..1276, 1345..1494		

Seq. No.	11731	Seq. ID	OJ990920_19.9B02.C3
Gene No.	24882	Strand	+
Start	1	End	1538
Name	OJ990920_19.9B02.C3.o1.tm	Method	TBLASTX:Maize
Start	260	End	745
GI	none	Score	300
Exons	260..745, 277..453, 571..738, 584..739		

Seq. No.	11731	Seq. ID	OJ990920_19.9B02.C3
Gene No.	24882	Strand	+
Start	1	End	1538
Name	OJ990920_19.9B02.C3.o1.tw	Method	TBLASTX:Wheat
Start	356	End	1530
GI	none	Score	369
Exons	356..757, 400..756, 744..845, 748..897, 916..1077, 933..1073, 1081..1272, 1101..1256, 1261..1308, 1315..1353, 1377..1454, 1378..1482, 1483..1530		

Seq. No.	11731	Seq. ID	OJ990920_19.9B02.C3
Gene No.	24882	Strand	+
Start	1	End	1538
Name	OJ990920_19.9B02.C3.o1.tc	Method	TBLASTX:Cress
Start	643	End	1068
GI	none	Score	104
Exons	643..756, 647..757, 744..845, 748..897, 916..1068, 933..1055		

Seq. No.	11731	Seq. ID	OJ990920_19.9B02.C3
Gene No.	24882	Strand	+
Start	1	End	1538
Name	OJ990920_19.9B02.C3.o2.np	Method	AAT/NAP
Start	1084	End	1538
GI	4586022	Score	160
Exons	1084..1538		
GI Descrip.	(AC007170) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	11732	Seq. ID	OJ990920_19.9B02.C4
Gene No.	24883	Strand	+
Start	1	End	4967
Name	OJ990920_19.9B02.C4.o1.np	Method	AAT/NAP
Start	1	End	2093
GI	2384728	Score	103
Exons	1..250, 1869..1945, 2046..2093		
GI Descrip.	(AF015883) hydroxyproline-rich glycoprotein gas28p precursor [Chlamydomonas reinhardtii]		

Seq. No.	11732	Seq. ID	OJ990920_19.9B02.C4
Gene No.	24883	Strand	+
Start	1	End	4967
Name	OJ990920_19.9B02.C4.o2.gs	Method	GENSCAN
Start	1686	End	4884
GI	none	Score	.87
Exons	1686..1815, 1904..2637, 2716..3177, 3260..4092, 4175..4345, 4512..4683, 4789..4884		

Seq. No.	11732	Seq. ID	OJ990920_19.9B02.C4
Gene No.	24883	Strand	+
Start	1	End	4967

Name	OJ990920_19.9B02.C4.o1.gp	Method	AAT/GAP
Start	4501	End	4967
GI	LIB3431-001-P1-N1-B5	Score	587
Exons	4501..4683, 4789..4967		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	11732	Seq. ID	OJ990920_19.9B02.C4
Gene No.	24884	Strand	-
Start	86	End	471
Name	OJ990920_19.9B02.C4.o1.gs	Method	GENSCAN
Start	86	End	471
GI	none	Score	.56
Exons	86..471		

Seq. No.	11733	Seq. ID	OJ990920_19.9B02.C5
Gene No.	24885	Strand	+
Start	14836	End	16306
Name	OJ990920_19.9B02.C5.o4.gs	Method	GENSCAN
Start	14836	End	16306
GI	none	Score	.81
Exons	14836..15159, 15947..16054, 16137..16306		

Seq. No.	11733	Seq. ID	OJ990920_19.9B02.C5
Gene No.	24886	Strand	-
Start	11274	End	14356
Name	OJ990920_19.9B02.C5.o3.gs	Method	GENSCAN
Start	11274	End	14356
GI	none	Score	.48
Exons	11274..11436, 11558..11709, 12061..12125, 13825..13996, 14201..14356		

Seq. No.	11734	Seq. ID	OJ990920_19.9B02.C6
Gene No.	24887	Strand	+
Start	283	End	378
Name	OJ990920_19.9B02.C6.o1.gs	Method	GENSCAN
Start	283	End	378
GI	none	Score	.6
Exons	283..378		

Seq. No.	11735	Seq. ID	OJ990920_19.9B02.C8
Gene No.	24888	Strand	-
Start	37	End	81
Name	OJ990920_19.9B02.C8.o1.gs	Method	GENSCAN
Start	37	End	81
GI	none	Score	.89
Exons	37..81		

Seq. No.	11736	Seq. ID	OJ990920_19.9B02.C10
Gene No.	24889	Strand	+
Start	1482	End	5286
Name	OJ990920_19.9B02.C10.o1.np	Method	AAT/NAP
Start	1482	End	5286
GI	6721547	Score	92
Exons	1482..1566, 5226..5286		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	11736	Seq. ID	OJ990920_19.9B02.C10
Gene No.	24890	Strand	-
Start	4387	End	5061
Name	OJ990920_19.9B02.C10.o2.gs	Method	GENSCAN
Start	4387	End	5061
GI	none	Score	.41
Exons	4387..4465, 4913..5061		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o1.gp	Method	AAT/GAP
Start	1874	End	2980
GI	34587_1.R1084	Score	1544
Exons	1874..2351, 2501..2731, 2864..2980		
GI Descrip.	'5881784/emb|CAB55758.1| 2.0e-26 (AJ249442) putative AUX1-like permease [Arabidopsis thaliana]'		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o2.tm	Method	TBLASTX:Maize
Start	2522	End	2964
GI	none	Score	107
Exons	2522..2611, 2656..2733, 2657..2749, 2675..2734, 2861..2962, 2861..2962, 2863..2964		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o1.gs	Method	GENSCAN
Start	2531	End	6283
GI	none	Score	.74
Exons	2531..2731, 2864..3049, 3470..3582, 3759..3942, 4054..4151, 5818..6283		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o1.np	Method	AAT/NAP
Start	2540	End	6718
GI	1531758	Score	1688
Exons	2540..2731, 2864..3049, 3470..3582, 3759..3942, 4054..4151, 5818..6283, 6678..6718		
GI Descrip.	(X98772) AUX1 [Arabidopsis thaliana] gi|3335360|gb|AAC27161.1| (AC003028) unknown protein [Arabidopsis thaliana]		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o3.ts	Method	TBLASTX:Soybean
Start	2656	End	3511
GI	none	Score	142
Exons	2656..2733, 2660..2749, 2861..3049, 2863..3045, 3467..3511, 3469..3510		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12

Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o3.tc	Method	TBLASTX:Cress
Start	2657	End	3052
GI	none	Score	120
Exons	2657..2749, 2674..2748, 2861..3052, 2863..3051		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o4.tm	Method	TBLASTX:Maize
Start	3462	End	3869
GI	none	Score	207
Exons	3462..3515, 3467..3580, 3467..3580, 3469..3582, 3490..3594, 3749..3784, 3757..3867, 3795..3869		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o1.tc	Method	TBLASTX:Cress
Start	3769	End	4163
GI	none	Score	308
Exons	3769..3942, 3795..3938, 3820..3942, 4051..4152, 4053..4163		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o2.ts	Method	TBLASTX:Soybean
Start	3778	End	5958
GI	none	Score	291
Exons	3778..3942, 3795..3953, 4051..4152, 4053..4163, 5818..5958, 5819..5956		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o1.tm	Method	TBLASTX:Maize
Start	3870	End	6120
GI	none	Score	103
Exons	3870..3941, 3871..3942, 3871..3942, 3885..3956, 4051..4152, 4051..4092, 4053..4163, 4271..4327, 5818..6120, 5819..6118		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o2.gp	Method	AAT/GAP
Start	5809	End	6283
GI	37382_1.R1084	Score	820
Exons	5809..6283		
GI Descrip.	'1531758/emb|CAA67308| 3.0e-93 (X98772) AUX1 [Arabidopsis thaliana] >gi_3335360 (AC003028) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o4.tc	Method	TBLASTX:Cress

Start	5818	End	5944
GI	none	Score	195
Exons	5818..5943, 5819..5944		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o2.tc	Method	TBLASTX:Cress
Start	5944	End	6190
GI	none	Score	371
Exons	5944..6186, 5948..6190		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o1.ts	Method	TBLASTX:Soybean
Start	5959	End	6280
GI	none	Score	505
Exons	5959..6276, 5960..6280		

Seq. No.	11737	Seq. ID	OJ990920_19.9B02.C12
Gene No.	24891	Strand	+
Start	1874	End	6718
Name	OJ990920_19.9B02.C12.o3.tm	Method	TBLASTX:Maize
Start	6121	End	6283
GI	none	Score	270
Exons	6121..6282, 6122..6283		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24892	Strand	+
Start	1	End	830
Name	OJ990920_19.9B02.C13.o1.np	Method	AAT/NAP
Start	1	End	830
GI	1531758	Score	292
Exons	1..30, 591..830		
GI Descrip.	(X98772) AUX1 [Arabidopsis thaliana] gi|3335360|gb|AAC27161.1| (AC003028) unknown protein [Arabidopsis thaliana]		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24892	Strand	+
Start	1	End	830
Name	OJ990920_19.9B02.C13.o1.gs	Method	GENSCAN
Start	50	End	827
GI	none	Score	.81
Exons	50..213, 597..827		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24893	Strand	-
Start	69	End	4926
Name	OJ990920_19.9B02.C13.o1.gp	Method	AAT/GAP
Start	69	End	1183
GI	37382_1.R1084	Score	1095
Exons	69..91, 596..1183		
GI Descrip.	'1531758/emb|CAA67308| 3.0e-93 (X98772) AUX1 [Arabidopsis thaliana] >gi_3335360 (AC003028) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24893	Strand	-
Start	69	End	4926
Name	OJ990920_19.9B02.C13.o2.tm	Method	TBLASTX:Maize
Start	578	End	782
GI	none	Score	93
Exons	578..649, 581..781, 588..665, 708..782		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24893	Strand	-
Start	69	End	4926
Name	OJ990920_19.9B02.C13.o2.ts	Method	TBLASTX:Soybean
Start	588	End	811
GI	none	Score	113
Exons	588..665, 593..811, 708..788		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24893	Strand	-
Start	69	End	4926
Name	OJ990920_19.9B02.C13.o1.tc	Method	TBLASTX:Cress
Start	591	End	797
GI	none	Score	107
Exons	591..665, 596..772, 708..797		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24893	Strand	-
Start	69	End	4926
Name	OJ990920_19.9B02.C13.o2.gs	Method	GENSCAN
Start	992	End	4917
GI	none	Score	.52
Exons	992..1127, 1237..1300, 2340..2434, 2793..2896, 3695..3793, 3864..3951, 4814..4917		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24893	Strand	-
Start	69	End	4926
Name	OJ990920_19.9B02.C13.o1.tm	Method	TBLASTX:Maize
Start	2979	End	4926
GI	none	Score	118
Exons	2979..3035, 3078..3176, 3082..3177, 3082..3171, 3670..3753, 3680..3796, 3692..3796, 3858..3944, 3862..3936, 3864..3950, 3865..3948, 4811..4918, 4812..4925, 4813..4926, 4813..4920		

Seq. No.	11738	Seq. ID	OJ990920_19.9B02.C13
Gene No.	24893	Strand	-
Start	69	End	4926
Name	OJ990920_19.9B02.C13.o1.ts	Method	TBLASTX:Soybean
Start	2979	End	4926
GI	none	Score	118
Exons	2979..3035, 3078..3176, 3082..3177, 3082..3171, 3670..3753, 3680..3796, 3692..3796, 3858..3944, 3862..3936, 3864..3950, 3865..3948, 4811..4918, 4812..4925, 4813..4926, 4813..4920		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24894	Strand	+
Start	7628	End	8065
Name	OJ990920_19.9B02.C14.o1.np	Method	AAT/NAP

Start	7628	End	8065
GI	3582339	Score	504
Exons	7628..8065		
GI Descrip.	(AC005496) unknown protein [Arabidopsis thaliana]		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24895	Strand	+
Start	11166	End	14657
Name	OJ990920_19.9B02.C14.o3.np	Method	AAT/NAP
Start	11166	End	14657
GI	6759449	Score	180
Exons	11166..11233, 12506..12666, 12745..13018, 14556..14657		
GI Descrip.	(AL137189) putative protein [Arabidopsis thaliana]		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24895	Strand	+
Start	11166	End	14657
Name	OJ990920_19.9B02.C14.o2.gs	Method	GENSCAN
Start	12078	End	13731
GI	none	Score	.95
Exons	12078..12426, 12506..12666, 12745..13098, 13456..13731		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o3.tm	Method	TBLASTX:Maize
Start	305	End	2565
GI	none	Score	103
Exons	305..400, 310..399, 318..419, 318..401, 320..415, 1453..1575, 1454..1576, 1708..1791, 1714..1788, 1718..1792, 1718..1792, 1900..1950, 1901..1930, 1901..1951, 1902..1988, 1945..1983, 2431..2538, 2494..2565		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o3.ts	Method	TBLASTX:Soybean
Start	305	End	2565
GI	none	Score	103
Exons	305..400, 310..399, 318..419, 318..401, 320..415, 1453..1575, 1454..1576, 1708..1791, 1714..1788, 1718..1792, 1718..1792, 1900..1950, 1901..1930, 1901..1951, 1902..1988, 1945..1983, 2431..2538, 2494..2565		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o1.tw	Method	TBLASTX:Wheat
Start	7591	End	7852
GI	none	Score	69
Exons	7591..7668, 7592..7669, 7664..7852, 7675..7848		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o1.ts	Method	TBLASTX:Soybean
Start	7631	End	8059

GI	none	Score	44
Exons	7631..7684, 7693..8058, 7694..8059		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o1.tm	Method	TBLASTX:Maize
Start	7654	End	8059
GI	none	Score	619
Exons	7654..8058, 7655..8059		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o1.tc	Method	TBLASTX:Cress
Start	7693	End	8065
GI	none	Score	211
Exons	7693..7815, 7694..7816, 7825..8055, 7829..8065		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o2.tm	Method	TBLASTX:Maize
Start	10236	End	10803
GI	none	Score	168
Exons	10236..10418, 10258..10425, 10262..10429, 10262..10420, 10264..10422, 10402..10488, 10415..10525, 10422..10487, 10423..10524, 10500..10649, 10500..10649, 10501..10662, 10508..10681, 10614..10697, 10630..10695, 10649..10678, 10674..10706, 10722..10784, 10724..10753, 10748..10789, 10749..10790, 10750..10803		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o2.ts	Method	TBLASTX:Soybean
Start	10258	End	10803
GI	none	Score	38
Exons	10258..10287, 10300..10422, 10314..10349, 10325..10429, 10424..10489, 10429..10521, 10502..10648, 10509..10655, 10509..10649, 10722..10748, 10759..10803, 10760..10789		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o2.tc	Method	TBLASTX:Cress
Start	10320	End	10803
GI	none	Score	43
Exons	10320..10349, 10334..10429, 10354..10422, 10414..10488, 10424..10525, 10428..10487, 10430..10489, 10444..10524, 10471..10650, 10502..10648, 10509..10649, 10614..10679, 10683..10706, 10722..10748, 10756..10803, 10757..10789		

Seq. No.	11739	Seq. ID	OJ990920_19.9B02.C14
Gene No.	24896	Strand	-
Start	10448	End	11370
Name	OJ990920_19.9B02.C14.o2.np	Method	AAT/NAP

Start	10448	End	11370
GI	133999	Score	274
Exons	10448..10632, 10707..10842, 11220..11370		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 gi|70904|pir||R3RZ7 ribosomal protein S7 - rice chloroplast gi|12037|emb|CAA33942| (X15901) ribosomal protein S7 [Oryza sativa] gi|12065|emb|CAA33919| (X15901) ribosomal protein S7 [Oryza sativa] gi|226657|prf||1603356CH ribosomal protein S7 [Oryza sativa]		

Seq. No.	11740	Seq. ID	OJ990920_19.9B02.C15
Gene No.	24897	Strand	-
Start	157	End	2499
Name	OJ990920_19.9B02.C15.o1.gs	Method	GENSCAN
Start	157	End	2395
GI	none	Score	.83
Exons	157..222, 572..652, 764..972, 1125..1221, 1625..1755, 2068..2116, 2381..2395		

Seq. No.	11740	Seq. ID	OJ990920_19.9B02.C15
Gene No.	24897	Strand	-
Start	157	End	2499
Name	OJ990920_19.9B02.C15.o1.gp	Method	AAT/GAP
Start	581	End	1756
GI	2800109	Score	773
Exons	581..652, 798..856, 888..972, 1125..1221, 1489..1542, 1625..1756		

Seq. No.	11740	Seq. ID	OJ990920_19.9B02.C15
Gene No.	24897	Strand	-
Start	157	End	2499
Name	OJ990920_19.9B02.C15.o1.np	Method	AAT/NAP
Start	809	End	2499
GI	6759450	Score	105
Exons	809..972, 1125..1221, 1489..1542, 1625..1722, 2468..2499		
GI Descrip.	(AL137189) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11741	Seq. ID	OJ990920_19.9B02.C16
Gene No.	24898	Strand	-
Start	1	End	2765
Name	OJ990920_19.9B02.C16.o1.np	Method	AAT/NAP
Start	1	End	2709
GI	6759450	Score	1162
Exons	1..167, 723..933, 1645..2115, 2433..2709		
GI Descrip.	(AL137189) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11741	Seq. ID	OJ990920_19.9B02.C16
Gene No.	24898	Strand	-
Start	1	End	2765
Name	OJ990920_19.9B02.C16.o1.tm	Method	TBLASTX:Maize
Start	7	End	167
GI	none	Score	176
Exons	7..162, 7..165, 15..167		

Seq. No.	11741	Seq. ID	OJ990920_19.9B02.C16
Gene No.	24898	Strand	-
Start	1	End	2765
Name	OJ990920_19.9B02.C16.o1.gs	Method	GENSCAN

Start	10	End	2765
GI	none	Score	.91
Exons	10..167, 723..933, 1645..2115, 2433..2765		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24899	Strand	+
Start	205	End	1210
Name	OJ990920_19.9B02.C17.o1.gs	Method	GENSCAN
Start	205	End	1210
GI	none	Score	.45
Exons	205..283, 1143..1210		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24900	Strand	+
Start	2154	End	2554
Name	OJ990920_19.9B02.C17.o1.gp	Method	AAT/GAP
Start	2154	End	2554
GI	none	Score	798
Exons	2154..2554		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24901	Strand	+
Start	11802	End	12369
Name	OJ990920_19.9B02.C17.o2.gp	Method	AAT/GAP
Start	11802	End	12369
GI	35111_1.R1084	Score	1060
Exons	11802..12369		
GI Descrip.	'3021344/emb|CAA06244| 1.0e-12 (AJ004959) hypothetical protein [Cicer arietinum]'		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24902	Strand	-
Start	2662	End	5043
Name	OJ990920_19.9B02.C17.o2.gs	Method	GENSCAN
Start	2662	End	3710
GI	none	Score	.86
Exons	2662..3115, 3396..3463, 3546..3710		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24902	Strand	-
Start	2662	End	5043
Name	OJ990920_19.9B02.C17.o1.np	Method	AAT/NAP
Start	2668	End	5043
GI	6651294	Score	513
Exons	2668..3152, 3430..3463, 3546..3750, 5021..5043		
GI Descrip.	(AF162441) cis-prenyltransferase homolog [Arabidopsis thaliana]		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24903	Strand	-
Start	5746	End	11472
Name	OJ990920_19.9B02.C17.o3.gs	Method	GENSCAN
Start	5746	End	11472
GI	none	Score	.52
Exons	5746..5792, 5889..6025, 6471..6655, 8141..8266, 8605..8675, 8994..9084, 9409..9506, 9750..9887, 10027..10105, 10467..10589, 11018..11060, 11159..11472		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24903	Strand	-
Start	5746	End	11472
Name	OJ990920_19.9B02.C17.o2.np	Method	AAT/NAP
Start	8102	End	11436
GI	1170639	Score	241
Exons	8102..8312, 8749..8884, 8994..9084, 9409..9506, 9750..9857, 10027..10108, 10193..10300, 10467..10589, 11116..11436		
GI Descrip.	3-DEOXY-D-MANNO-OCTULOSONIC-ACID TRANSFERASE (KDO TRANSFERASE) gi|1073787|pir||F64084 3-deoxy-d-manno-octulosonic-acid transferase (kdtA) homolog - Haemophilus influenzae (strain Rd KW20) gi|1573651 (U32748) 3-deoxy-d-manno-octulosonic-acid transferase (kdtA) [Haemophilus influenzae Rd]		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24904	Strand	-
Start	11959	End	18138
Name	OJ990920_19.9B02.C17.o4.gs	Method	GENSCAN
Start	11959	End	17938
GI	none	Score	.59
Exons	11959..12707, 12881..13207, 14133..14228, 14564..14671, 15207..15437, 17830..17938		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24904	Strand	-
Start	11959	End	18138
Name	OJ990920_19.9B02.C17.o3.np	Method	AAT/NAP
Start	11962	End	17915
GI	6579208	Score	1253
Exons	11962..12692, 12796..12997, 13110..13207, 15207..15350, 17830..17915		
GI Descrip.	(AC011438) T23G18.9 [Arabidopsis thaliana]		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24904	Strand	-
Start	11959	End	18138
Name	OJ990920_19.9B02.C17.o3.gp	Method	AAT/GAP
Start	15287	End	18138
GI	60013_1.R1084	Score	829
Exons	15287..15437, 17830..18138		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o1.tm	Method	TBLASTX:Maize
Start	2634	End	3770
GI	none	Score	144
Exons	2634..2747, 2665..2865, 2666..2791, 2668..2874, 2857..3117, 2869..3051, 2933..3106, 3544..3618, 3546..3770, 3547..3624, 3673..3747		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o4.ts	Method	TBLASTX:Soybean

Start	2663	End	3114
GI	none	Score	71
Exons	2663..2854, 2671..2883, 2848..3078, 2936..3079, 3076..3114		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o3.ts	Method	TBLASTX:Soybean
Start	3420	End	3761
GI	none	Score	53
Exons	3420..3464, 3422..3466, 3431..3466, 3540..3638, 3543..3761, 3544..3744		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o3.tc	Method	TBLASTX:Cress
Start	3543	End	3770
GI	none	Score	51
Exons	3543..3770, 3559..3618, 3673..3741		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o2.tm	Method	TBLASTX:Maize
Start	8620	End	9088
GI	none	Score	60
Exons	8620..8685, 8621..8677, 8755..8904, 8763..8906, 8764..8901, 8801..8914, 8959..9081, 8993..9088, 8994..9059, 8999..9079		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o2.ts	Method	TBLASTX:Soybean
Start	11944	End	12351
GI	none	Score	242
Exons	11944..12351, 11960..12349		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o2.tc	Method	TBLASTX:Cress
Start	11965	End	12318
GI	none	Score	108
Exons	11965..12318, 12092..12256		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o3.tm	Method	TBLASTX:Maize
Start	12115	End	12693
GI	none	Score	168
Exons	12115..12402, 12430..12693		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239

Name	OJ990920_19.9B02.C17.o1.ts	Method	TBLASTX:Soybean
Start	12400	End	15459
GI	none	Score	210
Exons	12400..12651, 12410..12649, 12424..12651, 12664..12708, 12809..13003, 12810..12998, 13087..13209, 13110..13208, 15205..15459, 15206..15448		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o1.tc	Method	TBLASTX:Cress
Start	12602	End	15459
GI	none	Score	49
Exons	12602..12646, 12604..12648, 12662..12694, 12664..12708, 12786..12998, 12791..13003, 13086..13205, 15208..15459, 15221..15448		

Seq. No.	11742	Seq. ID	OJ990920_19.9B02.C17
Gene No.	24905	Strand	-
Start	22159	End	22239
Name	OJ990920_19.9B02.C17.o4.np	Method	AAT/NAP
Start	22159	End	22239
GI	6630699	Score	95
Exons	22159..22239		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11743	Seq. ID	OJ990920_19.9B02.C18
Gene No.	24906	Strand	+
Start	392	End	647
Name	OJ990920_19.9B02.C18.o1.gs	Method	GENSCAN
Start	392	End	647
GI	none	Score	.43
Exons	392..647		

Seq. No.	11743	Seq. ID	OJ990920_19.9B02.C18
Gene No.	24907	Strand	-
Start	1	End	599
Name	OJ990920_19.9B02.C18.o1.np	Method	AAT/NAP
Start	1	End	561
GI	6498441	Score	323
Exons	1..561		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11743	Seq. ID	OJ990920_19.9B02.C18
Gene No.	24907	Strand	-
Start	1	End	599
Name	OJ990920_19.9B02.C18.o1.tw	Method	TBLASTX:Wheat
Start	347	End	599
GI	none	Score	199
Exons	347..559, 348..599		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24908	Strand	+

Start	178	End	3966
Name	OJ990920_19.9B02.C19.o1.gs	Method	GENSCAN
Start	178	End	3898
GI	none	Score	.55
Exons	178..252, 594..764, 928..2912, 2932..3046, 3176..3898		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24908	Strand	+
Start	178	End	3966
Name	OJ990920_19.9B02.C19.o1.np	Method	AAT/NAP
Start	787	End	3966
GI	4680179	Score	3742
Exons	787..3966		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o7.tw	Method	TBLASTX:Wheat
Start	783	End	1142
GI	none	Score	154
Exons	783..962, 784..969, 1057..1140, 1068..1142		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o6.tm	Method	TBLASTX:Maize
Start	1018	End	1215
GI	none	Score	207
Exons	1018..1215, 1053..1214		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o3.tw	Method	TBLASTX:Wheat
Start	1143	End	1629
GI	none	Score	61
Exons	1143..1601, 1146..1385, 1147..1629, 1171..1620		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o3.tm	Method	TBLASTX:Maize
Start	1216	End	1683
GI	none	Score	374
Exons	1216..1683, 1288..1464		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o1.ts	Method	TBLASTX:Soybean
Start	1570	End	1938
GI	none	Score	56
Exons	1570..1602, 1570..1602, 1587..1682, 1606..1938, 1606..1914, 1722..1937		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19

Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o6.tw	Method	TBLASTX:Wheat
Start	1678	End	1974
GI	none	Score	320
Exons	1678..1974, 1678..1935, 1722..1937, 1739..1954		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o5.tm	Method	TBLASTX:Maize
Start	1699	End	2046
GI	none	Score	279
Exons	1699..2046, 1731..1901		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o2.tw	Method	TBLASTX:Wheat
Start	1980	End	2406
GI	none	Score	588
Exons	1980..2405, 1981..2406		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o3.ts	Method	TBLASTX:Soybean
Start	1987	End	2232
GI	none	Score	211
Exons	1987..2232, 2016..2231		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o2.tm	Method	TBLASTX:Maize
Start	2050	End	2406
GI	none	Score	456
Exons	2050..2403, 2053..2406, 2055..2405		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o4.tw	Method	TBLASTX:Wheat
Start	2449	End	2956
GI	none	Score	376
Exons	2449..2859, 2601..2858, 2693..2860, 2860..2952, 2861..2956		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o1.tc	Method	TBLASTX:Cress
Start	2680	End	2980
GI	none	Score	99
Exons	2680..2853, 2828..2980, 2863..2964		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-

Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o2.ts	Method	TBLASTX:Soybean
Start	2767	End	3004
GI	none	Score	95
Exons	2767..2853, 2773..2859, 2861..3004, 2866..3003, 2873..3004		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o4.tm	Method	TBLASTX:Maize
Start	2821	End	3094
GI	none	Score	51
Exons	2821..2853, 2861..3094, 2866..3090, 2873..3091		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o1.tw	Method	TBLASTX:Wheat
Start	2963	End	3589
GI	none	Score	647
Exons	2963..3589, 3019..3576		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o1.tm	Method	TBLASTX:Maize
Start	3143	End	3739
GI	none	Score	215
Exons	3143..3295, 3146..3304, 3151..3297, 3300..3359, 3301..3729, 3302..3739, 3644..3730		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o5.tw	Method	TBLASTX:Wheat
Start	3589	End	3922
GI	none	Score	368
Exons	3589..3789, 3590..3922, 3629..3901		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o7.tm	Method	TBLASTX:Maize
Start	3746	End	3907
GI	none	Score	182
Exons	3746..3901, 3749..3907		

Seq. No.	11744	Seq. ID	OJ990920_19.9B02.C19
Gene No.	24909	Strand	-
Start	4035	End	4522
Name	OJ990920_19.9B02.C19.o2.gs	Method	GENSCAN
Start	4035	End	4522
GI	none	Score	.89
Exons	4035..4103, 4382..4522		

Seq. No.	11745	Seq. ID	OJ990920_19.9B02.C20
Gene No.	24910	Strand	-

Start	1	End	1109
Name	OJ990920_19.9B02.C20.o1.np	Method	AAT/NAP
Start	1	End	1109
GI	6907086	Score	1056
Exons	1..284, 343..1109		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11746	Seq. ID	OJ990920_19.9B02.C21
Gene No.	24911	Strand	-
Start	971	End	1055
Name	OJ990920_19.9B02.C21.o1.np	Method	AAT/NAP
Start	971	End	1055
GI	6721547	Score	89
Exons	971..1055		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	11746	Seq. ID	OJ990920_19.9B02.C21
Gene No.	24912	Strand	-
Start	971	End	1055
Name	OJ990920_19.9B02.C21.o1.gs	Method	GENSCAN
Start	971	End	1055
GI	none	Score	.49
Exons	971..1055		

Seq. No.	11747	Seq. ID	OJ990920_19.9B02.C22
Gene No.	24913	Strand	+
Start	1	End	1190
Name	OJ990920_19.9B02.C22.o1.np	Method	AAT/NAP
Start	1	End	1190
GI	4680203	Score	443
Exons	1..21, 399..1190		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11747	Seq. ID	OJ990920_19.9B02.C22
Gene No.	24913	Strand	+
Start	1	End	1190
Name	OJ990920_19.9B02.C22.o1.gs	Method	GENSCAN
Start	399	End	1179
GI	none	Score	.66
Exons	399..1179		

Seq. No.	11747	Seq. ID	OJ990920_19.9B02.C22
Gene No.	24913	Strand	+
Start	1	End	1190
Name	OJ990920_19.9B02.C22.o1.tw	Method	TBLASTX:Wheat
Start	753	End	1154
GI	none	Score	218
Exons	753..1154, 851..874, 992..1153		

Seq. No.	11747	Seq. ID	OJ990920_19.9B02.C22
Gene No.	24913	Strand	+
Start	1	End	1190
Name	OJ990920_19.9B02.C22.o1.ts	Method	TBLASTX:Soybean
Start	851	End	1170
GI	none	Score	268
Exons	851..874, 876..1154, 878..1144, 909..1169, 931..1170		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24914	Strand	+
Start	506	End	703
Name	OJ990920_19.9B02.C24.o1.gs	Method	GENSCAN
Start	506	End	703
GI	none	Score	.86
Exons	506..703		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24915	Strand	+
Start	6802	End	12741
Name	OJ990920_19.9B02.C24.o3.gs	Method	GENSCAN
Start	6802	End	12024
GI	none	Score	.57
Exons	6802..6983, 9411..9812, 9900..10026, 10646..11487, 11940..12024		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24915	Strand	+
Start	6802	End	12741
Name	OJ990920_19.9B02.C24.o1.np	Method	AAT/NAP
Start	6835	End	12741
GI	4539396	Score	293
Exons	6835..6950, 9782..9812, 9900..10026, 10646..10822, 12679..12741		
GI Descrip.	(AL035526) myb-like protein [Arabidopsis thaliana] gi|5823339|gb|AAD53108.1|AF176003_1 (AF176003) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24915	Strand	+
Start	6802	End	12741
Name	OJ990920_19.9B02.C24.o1.gp	Method	AAT/GAP
Start	9374	End	9661
GI	1631475	Score	519
Exons	9374..9661		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24916	Strand	+
Start	24302	End	27782
Name	OJ990920_19.9B02.C24.o7.gs	Method	GENSCAN
Start	24302	End	27479
GI	none	Score	.71
Exons	24302..24310, 24901..25083, 25276..25432, 25463..25678, 25733..25956, 26037..26106, 26164..26293, 26394..26500, 26593..26652, 26746..26819, 26918..26968, 27139..27188, 27291..27351, 27414..27479		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24916	Strand	+
Start	24302	End	27782
Name	OJ990920_19.9B02.C24.o4.np	Method	AAT/NAP
Start	25169	End	27782
GI	3582344	Score	577
Exons	25169..25461, 25629..25654, 25733..25956, 26037..26111, 26187..26293, 26391..26500, 26593..26652, 26746..26819, 26918..26968, 27139..27188, 27291..27363, 27661..27782		
GI Descrip.	(AC005496) putative CDC6 protein [Arabidopsis thaliana]		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24917	Strand	-
Start	1058	End	3678
Name	OJ990920_19.9B02.C24.o2.gs	Method	GENSCAN
Start	1058	End	3678
GI	none	Score	.62
Exons	1058..1178, 1255..1334, 2788..2942, 3045..3140, 3570..3678		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011
Name	OJ990920_19.9B02.C24.o1.tw	Method	TBLASTX:Wheat
Start	2699	End	15765
GI	none	Score	244
Exons	2699..2752, 15471..15761, 15474..15764, 15484..15765		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011
Name	OJ990920_19.9B02.C24.o2.gp	Method	AAT/GAP
Start	15108	End	16017
GI	18475_1.R1084	Score	1768
Exons	15108..16017		
GI Descrip.	'2088653 7.0e-42 (AF002109) Hs1pro-1 related protein isolog [Arabidopsis thaliana]'		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011
Name	OJ990920_19.9B02.C24.o1.tm	Method	TBLASTX:Maize
Start	15415	End	16185
GI	none	Score	481
Exons	15415..15909, 15480..15908, 15842..15886, 15859..15930, 15882..16172, 15984..16127, 16009..16185, 16046..16147, 16051..16173		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011
Name	OJ990920_19.9B02.C24.o5.gs	Method	GENSCAN
Start	15435	End	16859
GI	none	Score	1
Exons	15435..16859		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011
Name	OJ990920_19.9B02.C24.o2.np	Method	AAT/NAP
Start	15474	End	16886
GI	2088653	Score	918
Exons	15474..16376, 16429..16886		
GI Descrip.	(AF002109) putative nematode-resistance protein [Arabidopsis thaliana]		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011

Name	OJ990920_19.9B02.C24.o1.tc	Method	TBLASTX:Cress
Start	15486	End	16028
GI	none	Score	58
Exons	15486..15575, 15487..15552, 15609..15719, 15610..15681, 15747..15881, 15751..15882, 15888..16028		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011
Name	OJ990920_19.9B02.C24.o1.ts	Method	TBLASTX:Soybean
Start	15486	End	16730
GI	none	Score	52
Exons	15486..15635, 15499..15576, 15586..15696, 15726..16145, 15751..15900, 16143..16376, 16198..16377, 16512..16718, 16569..16730		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011
Name	OJ990920_19.9B02.C24.o3.tm	Method	TBLASTX:Maize
Start	16401	End	17011
GI	none	Score	63
Exons	16401..16454, 16401..16502, 16402..16482, 16521..16718, 16569..16763, 16585..16764, 16800..16865, 16803..16859, 16807..16866, 16961..17011		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24918	Strand	-
Start	15435	End	17011
Name	OJ990920_19.9B02.C24.o3.gp	Method	AAT/GAP
Start	16432	End	16972
GI	none	Score	1010
Exons	16432..16972		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24919	Strand	
Start	23887	End	24256
Name	OJ990920_19.9B02.C24.o5.tm	Method	TBLASTX:Maize
Start	23887	End	24256
GI	none	Score	114
Exons	23887..24066, 23888..24040, 24064..24252, 24083..24256		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24920	Strand	
Start	25545	End	26115
Name	OJ990920_19.9B02.C24.o2.tm	Method	TBLASTX:Maize
Start	25545	End	26115
GI	none	Score	138
Exons	25545..25652, 25558..25653, 25567..25653, 25709..25906, 25731..25919, 25732..25917, 25732..25929, 26022..26114, 26023..26088, 26034..26114, 26035..26115		

Seq. No.	11748	Seq. ID	OJ990920_19.9B02.C24
Gene No.	24921	Strand	
Start	26385	End	26795
Name	OJ990920_19.9B02.C24.o4.tm	Method	TBLASTX:Maize
Start	26385	End	26795

GI	none	Score	123
Exons	26385..26501, 26388..26501, 26389..26502, 26389..26502, 26583..26663, 26591..26656, 26602..26688, 26747..26794, 26748..26795		

Seq. No.	11749	Seq. ID	OJ990910_13.9B12.C1
Gene No.	24922	Strand	-
Start	262	End	4947
Name	OJ990910_13.9B12.C1.o1.np	Method	AAT/NAP
Start	262	End	3956
GI	4680204	Score	1046
Exons	262..399, 750..969, 1066..1239, 1349..2445, 2520..3956		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11749	Seq. ID	OJ990910_13.9B12.C1
Gene No.	24922	Strand	-
Start	262	End	4947
Name	OJ990910_13.9B12.C1.o1.gs	Method	GENSCAN
Start	267	End	4947
GI	none	Score	.53
Exons	267..429, 509..607, 702..774, 859..969, 1066..1239, 1349..2034, 2036..2178, 2304..2445, 2520..3941, 4837..4947		

Seq. No.	11749	Seq. ID	OJ990910_13.9B12.C1
Gene No.	24922	Strand	-
Start	262	End	4947
Name	OJ990910_13.9B12.C1.o2.tw	Method	TBLASTX:Wheat
Start	900	End	1422
GI	none	Score	68
Exons	900..971, 1071..1253, 1078..1203, 1342..1422		

Seq. No.	11749	Seq. ID	OJ990910_13.9B12.C1
Gene No.	24922	Strand	-
Start	262	End	4947
Name	OJ990910_13.9B12.C1.o1.tw	Method	TBLASTX:Wheat
Start	2910	End	3313
GI	none	Score	77
Exons	2910..3080, 3043..3210, 3075..3311, 3162..3311, 3173..3313, 3203..3313		

Seq. No.	11750	Seq. ID	OJ990910_13.9B12.C2
Gene No.	24923	Strand	+
Start	451	End	710
Name	OJ990910_13.9B12.C2.o3.gp	Method	AAT/GAP
Start	451	End	710
GI	LIB3431-028-P1-N1-A10	Score	428
Exons	451..521, 549..710		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	11750	Seq. ID	OJ990910_13.9B12.C2
Gene No.	24924	Strand	-
Start	514	End	710
Name	OJ990910_13.9B12.C2.o1.gs	Method	GENSCAN
Start	514	End	641
GI	none	Score	.71
Exons	514..641		

Seq. No.	11750	Seq. ID	OJ990910_13.9B12.C2
Gene No.	24924	Strand	-
Start	514	End	710
Name	OJ990910_13.9B12.C2.o1.np	Method	AAT/NAP
Start	535	End	710
GI	4680203	Score	124
Exons	535..710		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11751	Seq. ID	OJ990910_13.9B12.C3
Gene No.	24925	Strand	+
Start	873	End	918
Name	OJ990910_13.9B12.C3.o1.gs	Method	GENSCAN
Start	873	End	918
GI	none	Score	.97
Exons	873..918		

Seq. No.	11752	Seq. ID	OJ990910_13.9B12.C4
Gene No.	24926	Strand	+
Start	1	End	664
Name	OJ990910_13.9B12.C4.o1.gp	Method	AAT/GAP
Start	1	End	664
GI	342_1.R1084	Score	1197
Exons	1..664		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	11752	Seq. ID	OJ990910_13.9B12.C4
Gene No.	24926	Strand	+
Start	1	End	664
Name	OJ990910_13.9B12.C4.o1.np	Method	AAT/NAP
Start	1	End	664
GI	6742729	Score	1009
Exons	1..664		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	11752	Seq. ID	OJ990910_13.9B12.C4
Gene No.	24926	Strand	+
Start	1	End	664
Name	OJ990910_13.9B12.C4.o1.tw	Method	TBLASTX:Wheat
Start	33	End	663
GI	none	Score	318
Exons	33..641, 33..662, 34..663		

Seq. No.	11752	Seq. ID	OJ990910_13.9B12.C4
Gene No.	24926	Strand	+
Start	1	End	664
Name	OJ990910_13.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	76	End	390
GI	none	Score	316
Exons	76..390, 87..362, 160..390		

Seq. No.	11752	Seq. ID	OJ990910_13.9B12.C4
Gene No.	24926	Strand	+
Start	1	End	664
Name	OJ990910_13.9B12.C4.o1.tc	Method	TBLASTX:Cress

Start	317	End	663
GI	none	Score	152
Exons	317..499, 321..641, 321..662, 325..663, 331..663		

Seq. No.	11753	Seq. ID	OJ990910_13.9B12.C6
Gene No.	24927	Strand	+
Start	866	End	950
Name	OJ990910_13.9B12.C6.o1.np	Method	AAT/NAP
Start	866	End	950
GI	5080816	Score	62
Exons	866..950		
GI Descrip.	(AC007258) Putative ATPase [Arabidopsis thaliana]		

Seq. No.	11753	Seq. ID	OJ990910_13.9B12.C6
Gene No.	24928	Strand	-
Start	847	End	894
Name	OJ990910_13.9B12.C6.o1.gs	Method	GENSCAN
Start	847	End	894
GI	none	Score	.73
Exons	847..894		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7
Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o2.gs	Method	GENSCAN
Start	6976	End	12086
GI	none	Score	.81
Exons	6976..7293, 7376..7507, 8379..8519, 8662..8838, 9266..9383, 9702..10168, 11701..11854, 11944..12086		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7
Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o1.np	Method	AAT/NAP
Start	8214	End	11867
GI	5091616	Score	236
Exons	8214..8286, 8379..8485, 8652..8838, 8922..9062, 9112..9191, 9672..9884, 11819..11867		
GI Descrip.	(AC007454) F23M19.3 [Arabidopsis thaliana]		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7
Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o2.tm	Method	TBLASTX:Maize
Start	9525	End	9886
GI	none	Score	65
Exons	9525..9620, 9525..9620, 9532..9645, 9698..9886, 9701..9883		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7
Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o2.ts	Method	TBLASTX:Soybean
Start	9525	End	9905
GI	none	Score	66
Exons	9525..9620, 9532..9642, 9698..9883, 9701..9904, 9813..9905		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7

Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o2.np	Method	AAT/NAP
Start	10276	End	12179
GI	4530126	Score	228
Exons	10276..10374, 11468..11635, 11708..11854, 11944..12179		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7
Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	11460	End	12154
GI	none	Score	78
Exons	11460..11615, 11475..11615, 11743..11853, 11744..11854, 11745..11855, 11746..11862, 11939..12076, 11943..12080, 11944..12081, 12083..12154, 12083..12145		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7
Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o1.ts	Method	TBLASTX:Soybean
Start	11478	End	12154
GI	none	Score	67
Exons	11478..11570, 11604..11627, 11749..11853, 11750..11854, 11946..12080, 11947..12081, 12053..12154		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7
Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o1.tw	Method	TBLASTX:Wheat
Start	11729	End	12109
GI	none	Score	96
Exons	11729..11854, 11743..11853, 11770..11862, 11939..12076, 11944..12060, 11946..12080, 11947..12081, 12083..12109		

Seq. No.	11754	Seq. ID	OJ990910_13.9B12.C7
Gene No.	24929	Strand	-
Start	6976	End	12179
Name	OJ990910_13.9B12.C7.o1.tc	Method	TBLASTX:Cress
Start	11749	End	12154
GI	none	Score	58
Exons	11749..11853, 11961..12080, 12092..12154		

Seq. No.	11755	Seq. ID	OJ990910_13.9B12.C10
Gene No.	24930	Strand	+
Start	87	End	168
Name	OJ990910_13.9B12.C10.o1.gs	Method	GENSCAN
Start	87	End	168
GI	none	Score	.56
Exons	87..168		

Seq. No.	11756	Seq. ID	OJ990910_13.9B12.C11
Gene No.	24931	Strand	+
Start	261	End	1061
Name	OJ990910_13.9B12.C11.o1.np	Method	AAT/NAP

Start	261	End	1061
GI	6006375	Score	1367
Exons	261..1061		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	11756	Seq. ID	OJ990910_13.9B12.C11
Gene No.	24931	Strand	+
Start	261	End	1061
Name	OJ990910_13.9B12.C11.o1.tw	Method	TBLASTX:Wheat
Start	363	End	647
GI	none	Score	205
Exons	363..647		

Seq. No.	11757	Seq. ID	OJ990910_13.9B12.C12
Gene No.	24932	Strand	+
Start	1	End	358
Name	OJ990910_13.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	355
GI	6006375	Score	556
Exons	1..355		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	11757	Seq. ID	OJ990910_13.9B12.C12
Gene No.	24932	Strand	+
Start	1	End	358
Name	OJ990910_13.9B12.C12.o1.gs	Method	GENSCAN
Start	68	End	358
GI	none	Score	1
Exons	68..358		

Seq. No.	11757	Seq. ID	OJ990910_13.9B12.C12
Gene No.	24933	Strand	+
Start	1928	End	6531
Name	OJ990910_13.9B12.C12.o3.np	Method	AAT/NAP
Start	1928	End	6531
GI	6006374	Score	5309
Exons	1928..5432, 6504..6531		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	11757	Seq. ID	OJ990910_13.9B12.C12
Gene No.	24934	Strand	-
Start	714	End	1241
Name	OJ990910_13.9B12.C12.o1.gp	Method	AAT/GAP
Start	714	End	1241
GI	21466_1.R1084	Score	961
Exons	714..1241		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	11758	Seq. ID	OJ990910_13.9B12.C13
Gene No.	24935	Strand	-
Start	1	End	3370
Name	OJ990910_13.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	3370

GI	5441880	Score	1737
Exons	1..22, 598..705, 1307..1627, 1886..1917, 2359..3370		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11758	Seq. ID	OJ990910_13.9B12.C13
Gene No.	24935	Strand	-
Start	1	End	3370
Name	OJ990910_13.9B12.C13.o1.tw	Method	TBLASTX:Wheat
Start	2132	End	2509
GI	none	Score	65
Exons	2132..2305, 2143..2283, 2238..2306, 2330..2506, 2355..2507, 2360..2509		

Seq. No.	11758	Seq. ID	OJ990910_13.9B12.C13
Gene No.	24935	Strand	-
Start	1	End	3370
Name	OJ990910_13.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	2207	End	2803
GI	none	Score	181
Exons	2207..2278, 2325..2624, 2336..2803, 2676..2798		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24936	Strand	+
Start	2193	End	3330
Name	OJ990910_13.9B12.C14.o2.gs	Method	GENSCAN
Start	2193	End	3330
GI	none	Score	.85
Exons	2193..2255, 2917..3330		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24937	Strand	+
Start	3679	End	7250
Name	OJ990910_13.9B12.C14.o2.np	Method	AAT/NAP
Start	3679	End	7250
GI	6735375	Score	1459
Exons	3679..3836, 4778..5534, 5882..5968, 6053..6136, 6218..6304, 6392..6484, 6957..7010, 7091..7250		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24937	Strand	+
Start	3679	End	7250
Name	OJ990910_13.9B12.C14.o3.gs	Method	GENSCAN
Start	3679	End	7182
GI	none	Score	.94
Exons	3679..3836, 4778..5534, 5882..5968, 6053..6136, 6218..6304, 6392..6478, 6957..7010, 7091..7182		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o1.np	Method	AAT/NAP
Start	1	End	7250
GI	2252630	Score	47
Exons	1..184, 3491..3643, 7222..7250		

GI Descrip. (U95973) hypothetical protein [Arabidopsis thaliana]

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o1.gs	Method	GENSCAN
Start	859	End	996
GI	none	Score	.68
Exons	859..996		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o1.tc	Method	TBLASTX:Cress
Start	3679	End	4955
GI	none	Score	221
Exons	3679..3837, 3679..3861, 3687..3902, 4779..4955, 4781..4951		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o3.tm	Method	TBLASTX:Maize
Start	3693	End	4955
GI	none	Score	125
Exons	3693..3776, 3694..3777, 3763..3837, 3778..3861, 4778..4951, 4779..4955		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	3763	End	6243
GI	none	Score	104
Exons	3763..3846, 4754..5059, 4779..4955, 5084..5332, 5085..5333, 5357..5536, 5364..5537, 5395..5538, 5879..5974, 5899..5973, 6050..6139, 6052..6138, 6215..6241, 6217..6243		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	5051	End	5523
GI	none	Score	188
Exons	5051..5341, 5054..5284, 5058..5327, 5086..5334, 5331..5369, 5364..5522, 5367..5522, 5368..5523, 5368..5523		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o2.tc	Method	TBLASTX:Cress
Start	5448	End	6492
GI	none	Score	136
Exons	5448..5537, 5451..5537, 5879..5995, 5881..5970, 6050..6139, 6052..6138, 6215..6304, 6215..6304, 6217..6306, 6217..6306, 6386..6478, 6388..6480, 6390..6479, 6391..6492		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14

Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o2.tm	Method	TBLASTX:Maize
Start	5868	End	7190
GI	none	Score	168
Exons	5868..5975, 5879..5974, 5880..5975, 5881..5976, 5881..5976, 6048..6137, 6050..6139, 6052..6138, 6215..6304, 6215..6301, 6217..6306, 6383..6478, 6386..6478, 6391..6489, 6399..6488, 6400..6489, 6956..7012, 6957..7013, 6958..7023, 7075..7182, 7076..7180, 7089..7190		

Seq. No.	11759	Seq. ID	OJ990910_13.9B12.C14
Gene No.	24938	Strand	-
Start	1	End	7250
Name	OJ990910_13.9B12.C14.o2.ts	Method	TBLASTX:Soybean
Start	6245	End	7182
GI	none	Score	74
Exons	6245..6304, 6383..6478, 6386..6478, 6390..6488, 6390..6488, 6391..6492, 6956..7012, 6957..7013, 6957..7022, 7075..7173, 7075..7182, 7076..7180		

Seq. No.	11760	Seq. ID	OJ990910_13.9B12.C15
Gene No.	24939	Strand	+
Start	1	End	507
Name	OJ990910_13.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	507
GI	6735375	Score	327
Exons	1..226, 362..507		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	11760	Seq. ID	OJ990910_13.9B12.C15
Gene No.	24940	Strand	+
Start	420	End	1210
Name	OJ990910_13.9B12.C15.o1.gp	Method	AAT/GAP
Start	420	End	1210
GI	none	Score	805
Exons	420..515, 886..1210		

Seq. No.	11760	Seq. ID	OJ990910_13.9B12.C15
Gene No.	24941	Strand	+
Start	4725	End	8215
Name	OJ990910_13.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	59	End	515
GI	none	Score	109
Exons	59..142, 75..143, 76..141, 136..237, 137..226, 139..237, 359..508, 415..513, 423..515		

Seq. No.	11760	Seq. ID	OJ990910_13.9B12.C15
Gene No.	24941	Strand	+
Start	4725	End	8215
Name	OJ990910_13.9B12.C15.o2.gs	Method	GENSCAN
Start	4725	End	7853
GI	none	Score	.65
Exons	4725..4927, 6772..6853, 6953..7063, 7413..7509, 7652..7758, 7848..7853		

Seq. No.	11760	Seq. ID	OJ990910_13.9B12.C15

Gene No.	24941	Strand	+
Start	4725	End	8215
Name	OJ990910_13.9B12.C15.o2.np	Method	AAT/NAP
Start	4779	End	8215
GI	5080816	Score	734
Exons	4779..4934, 6251..6316, 6583..6644, 6772..6853, 6953..7063, 7214..7291, 7413..7509, 7652..7758, 8184..8215		
GI Descrip.	(AC007258) Putative ATPase [Arabidopsis thaliana]		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o1.gp	Method	AAT/GAP
Start	590	End	1091
GI	LIB3475-010-P1-K1-A11	Score	327
Exons	590..614, 724..829, 903..980, 1054..1091		
GI Descrip.	'5080816/gb|AAD39325.1|AC007258_14 1.0e-32 (AC007258) Putative ATPase [Arabidopsis thaliana]'		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o2.gp	Method	AAT/GAP
Start	663	End	1164
GI	LIB3475-010-P1-K1-A11	Score	446
Exons	663..829, 903..980, 1054..1164		
GI Descrip.	'5080816/gb|AAD39325.1|AC007258_14 1.0e-32 (AC007258) Putative ATPase [Arabidopsis thaliana]'		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o1.np	Method	AAT/NAP
Start	915	End	6050
GI	5080816	Score	2718
Exons	915..980, 1054..1170, 1589..1736, 1819..1925, 2068..2210, 2333..2434, 2512..2575, 2659..2871, 3277..3442, 3576..3655, 4272..4511, 4921..5139, 5214..5381, 5457..5819, 5916..6050		
GI Descrip.	(AC007258) Putative ATPase [Arabidopsis thaliana]		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o1.gs	Method	GENSCAN
Start	1054	End	6529
GI	none	Score	.86
Exons	1054..1170, 1589..1744, 1821..1925, 2068..2210, 2333..2434, 2512..2575, 2659..2851, 3576..3655, 4272..4511, 5214..5381, 5457..5819, 5916..6022, 6229..6529		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o4.tm	Method	TBLASTX:Maize
Start	2710	End	3480
GI	none	Score	107
Exons	2710..2793, 2711..2791, 2712..2792, 2791..2865, 2793..2867,		

3285..3440, 3285..3452, 3286..3462, 3286..3480

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o3.ts	Method	TBLASTX:Soybean
Start	3285	End	4364
GI	none	Score	231
Exons	3285..3461, 3286..3480, 3286..3480, 3574..3654, 3575..3655, 3578..3655, 4269..4364		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o3.tm	Method	TBLASTX:Maize
Start	3581	End	4519
GI	none	Score	104
Exons	3581..3655, 3583..3651, 4272..4511, 4274..4519, 4275..4514		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o3.gp	Method	AAT/GAP
Start	4278	End	5128
GI	2312442	Score	829
Exons	4278..4511, 4921..5128		
GI Descrip.	5080816/gb|AAD39325.1|AC007258_14 2.0e-60 (AC007258) Putative ATPase [Arabidopsis thaliana]		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o2.ts	Method	TBLASTX:Soybean
Start	4367	End	5531
GI	none	Score	129
Exons	4367..4519, 4368..4514, 4947..5111, 4954..5142, 5205..5381, 5210..5377, 5454..5531		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o1.tm	Method	TBLASTX:Maize
Start	4947	End	5646
GI	none	Score	299
Exons	4947..5156, 4954..5142, 5012..5146, 5139..5198, 5185..5382, 5205..5381, 5206..5382, 5213..5389, 5454..5645, 5454..5639, 5456..5644, 5566..5646		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o4.gp	Method	AAT/GAP
Start	5241	End	6037
GI	16650_1.R1084	Score	1080
Exons	5241..5381, 5457..5819, 5916..6037		
GI Descrip.	'5080816/gb|AAD39325.1|AC007258_14 2.0e-77 (AC007258) Putative ATPase [Arabidopsis thaliana]'		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o1.tc	Method	TBLASTX:Cress
Start	5276	End	5579
GI	none	Score	114
Exons	5276..5389, 5292..5381, 5454..5579, 5456..5548		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o1.ts	Method	TBLASTX:Soybean
Start	5637	End	6530
GI	none	Score	140
Exons	5637..5783, 5639..5788, 5639..5803, 5640..5819, 5909..5986, 5909..6010, 5913..6011, 6216..6287, 6232..6324, 6233..6322, 6301..6516, 6326..6520, 6339..6530		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o2.tm	Method	TBLASTX:Maize
Start	5752	End	6670
GI	none	Score	103
Exons	5752..5820, 5753..5821, 5754..5819, 5904..6011, 5912..6040, 5915..6022, 6223..6501, 6233..6511, 6607..6657, 6629..6670		

Seq. No.	11761	Seq. ID	OJ990910_13.9B12.C16
Gene No.	24942	Strand	+
Start	590	End	6808
Name	OJ990910_13.9B12.C16.o5.gp	Method	AAT/GAP
Start	6344	End	6808
GI	3767869	Score	833
Exons	6344..6808		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24943	Strand	+
Start	4036	End	7971
Name	OJ990910_13.9B12.C17.o1.gs	Method	GENSCAN
Start	4036	End	7971
GI	none	Score	.68
Exons	4036..4127, 5073..5217, 5775..5868, 6051..6222, 6683..6813, 7055..7215, 7408..7971		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24944	Strand	+
Start	8985	End	9823
Name	OJ990910_13.9B12.C17.o1.gp	Method	AAT/GAP
Start	8985	End	9823
GI	5461_1.R1084	Score	1578
Exons	8985..9823		
GI Descrip.	'4587611/gb|AAD25839.1|AC006951_18 3.0e-53 (AC006951) putative 40S ribosomal protein S17 [Arabidopsis thaliana]'		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24945	Strand	+

Start	10067	End	14164
Name	OJ990910_13.9B12.C17.o3.gs	Method	GENSCAN
Start	10067	End	14164
GI	none	Score	.57
Exons	10067..10204, 10242..10372, 11358..11536, 11627..11713, 11894..12054, 12267..12344, 12516..12589, 12678..12742, 13287..13348, 14024..14164		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24946	Strand	+
Start	15636	End	16929
Name	OJ990910_13.9B12.C17.o2.gp	Method	AAT/GAP
Start	15636	End	16929
GI	24051_2.R1084	Score	1096
Exons	15636..15730, 16440..16929		
GI Descrip.	'2739219/emb|CAA04565| 2.0e-20 (AJ001161) rpS28 [Hordeum vulgare]'		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24947	Strand	-
Start	9129	End	9713
Name	OJ990910_13.9B12.C17.o2.gs	Method	GENSCAN
Start	9129	End	9713
GI	none	Score	.44
Exons	9129..9206, 9348..9713		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24947	Strand	-
Start	9129	End	9713
Name	OJ990910_13.9B12.C17.o1.np	Method	AAT/NAP
Start	9281	End	9713
GI	5758304	Score	502
Exons	9281..9713		
GI Descrip.	(AF161704) 40S ribosomal protein S17 [Lycopersicon esculentum]		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	9286	End	9870
GI	none	Score	69
Exons	9286..9339, 9288..9344, 9339..9713, 9343..9714, 9556..9714, 9642..9716, 9829..9870		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o1.tc	Method	TBLASTX:Cress
Start	9339	End	9714
GI	none	Score	256
Exons	9339..9713, 9367..9714		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o2.ts	Method	TBLASTX:Soybean
Start	9342	End	9722

GI	none	Score	282
Exons	9342..9713, 9367..9714, 9381..9722, 9568..9714		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o1.tw	Method	TBLASTX:Wheat
Start	9402	End	9719
GI	none	Score	142
Exons	9402..9596, 9402..9713, 9457..9714, 9556..9717, 9642..9719		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o4.gs	Method	GENSCAN
Start	15633	End	19088
GI	none	Score	.81
Exons	15633..15794, 16378..16754, 17535..18234, 18345..18446, 18524..18616, 18733..18879, 18998..19088		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o4.tc	Method	TBLASTX:Cress
Start	16402	End	16656
GI	none	Score	146
Exons	16402..16554, 16404..16535, 16531..16656, 16537..16593		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o2.tw	Method	TBLASTX:Wheat
Start	16430	End	16639
GI	none	Score	155
Exons	16430..16528, 16434..16550, 16434..16598, 16438..16593, 16519..16635, 16598..16639		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o3.ts	Method	TBLASTX:Soybean
Start	16437	End	16645
GI	none	Score	227
Exons	16437..16598, 16441..16593, 16516..16644, 16598..16645		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o4.tm	Method	TBLASTX:Maize
Start	16437	End	16654
GI	none	Score	144
Exons	16437..16550, 16437..16652, 16438..16593, 16598..16654		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o2.np	Method	AAT/NAP

Start	17530	End	19565
GI	3688186	Score	672
Exons	17530..17880, 18345..18446, 18524..18616, 18733..18879, 18998..19088, 19182..19270, 19360..19425, 19530..19565		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o5.tm	Method	TBLASTX:Maize
Start	17632	End	17802
GI	none	Score	202
Exons	17632..17796, 17636..17797, 17639..17800, 17641..17802		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o1.ts	Method	TBLASTX:Soybean
Start	17641	End	19426
GI	none	Score	79
Exons	17641..17796, 17642..17728, 18333..18458, 18348..18449, 18515..18619, 18534..18614, 18733..18783, 18787..18879, 18827..18880, 18998..19051, 18999..19052, 19049..19087, 19053..19088, 19175..19270, 19176..19271, 19357..19425, 19361..19426		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o2.tm	Method	TBLASTX:Maize
Start	18188	End	18756
GI	none	Score	52
Exons	18188..18235, 18193..18234, 18340..18447, 18342..18449, 18515..18619, 18528..18617, 18733..18756		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o2.tc	Method	TBLASTX:Cress
Start	18342	End	18825
GI	none	Score	54
Exons	18342..18440, 18348..18449, 18515..18619, 18525..18617, 18727..18822, 18733..18825		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o3.tw	Method	TBLASTX:Wheat
Start	18844	End	19405
GI	none	Score	90
Exons	18844..18879, 18998..19087, 18999..19088, 19175..19270, 19176..19271, 19357..19404, 19364..19405		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o3.tm	Method	TBLASTX:Maize

Start	19023	End	19425
GI	none	Score	86
Exons	19023..19088, 19031..19093, 19031..19087, 19175..19270, 19176..19271, 19183..19272, 19350..19424, 19357..19425, 19361..19423		

Seq. No.	11762	Seq. ID	OJ990910_13.9B12.C17
Gene No.	24948	Strand	-
Start	15633	End	19565
Name	OJ990910_13.9B12.C17.o3.tc	Method	TBLASTX:Cress
Start	19046	End	19430
GI	none	Score	57
Exons	19046..19087, 19175..19270, 19176..19271, 19357..19425, 19361..19426, 19362..19430		

Seq. No.	11763	Seq. ID	OJ990910_13.9B12.C18
Gene No.	24949	Strand	-
Start	103	End	1488
Name	OJ990910_13.9B12.C18.o1.np	Method	AAT/NAP
Start	103	End	1488
GI	6735365	Score	63
Exons	103..197, 1449..1488		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	11763	Seq. ID	OJ990910_13.9B12.C18
Gene No.	24949	Strand	-
Start	103	End	1488
Name	OJ990910_13.9B12.C18.o1.gp	Method	AAT/GAP
Start	358	End	1354
GI	none	Score	1076
Exons	358..710, 1143..1354		

Seq. No.	11764	Seq. ID	OJ990910_13.9B12.C19
Gene No.	24950	Strand	+
Start	1278	End	2373
Name	OJ990910_13.9B12.C19.o1.gs	Method	GENSCAN
Start	1278	End	2373
GI	none	Score	.49
Exons	1278..1301, 1970..1996, 2335..2373		

Seq. No.	11764	Seq. ID	OJ990910_13.9B12.C19
Gene No.	24951	Strand	+
Start	7176	End	7768
Name	OJ990910_13.9B12.C19.o3.gs	Method	GENSCAN
Start	7176	End	7768
GI	none	Score	.81
Exons	7176..7230, 7270..7317, 7695..7768		

Seq. No.	11764	Seq. ID	OJ990910_13.9B12.C19
Gene No.	24952	Strand	-
Start	4482	End	6161
Name	OJ990910_13.9B12.C19.o1.np	Method	AAT/NAP
Start	4482	End	6161
GI	6907086	Score	1228
Exons	4482..4860, 5081..5334, 5392..6161		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11764	Seq. ID	OJ990910_13.9B12.C19
Gene No.	24953	Strand	-
Start	6868	End	10510
Name	OJ990910_13.9B12.C19.o2.np	Method	AAT/NAP
Start	6868	End	10252
GI	4680186	Score	177
Exons	6868..7285, 7757..7819, 10084..10252		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11764	Seq. ID	OJ990910_13.9B12.C19
Gene No.	24953	Strand	-
Start	6868	End	10510
Name	OJ990910_13.9B12.C19.o4.gs	Method	GENSCAN
Start	8406	End	10510
GI	none	Score	.65
Exons	8406..8879, 8958..9514, 10117..10510		

Seq. No.	11765	Seq. ID	OJ990910_13.9B12.C20
Gene No.	24954	Strand	-
Start	493	End	939
Name	OJ990910_13.9B12.C20.o1.np	Method	AAT/NAP
Start	469	End	939
GI	4680203	Score	219
Exons	469..939		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11765	Seq. ID	OJ990910_13.9B12.C20
Gene No.	24954	Strand	-
Start	493	End	939
Name	OJ990910_13.9B12.C20.o1.gs	Method	GENSCAN
Start	493	End	896
GI	none	Score	.98
Exons	493..896		

Seq. No.	11765	Seq. ID	OJ990910_13.9B12.C20
Gene No.	24954	Strand	-
Start	493	End	939
Name	OJ990910_13.9B12.C20.o1.tw	Method	TBLASTX:Wheat
Start	547	End	936
GI	none	Score	75
Exons	547..666, 667..771, 668..772, 790..843, 843..887, 844..894, 909..935, 910..936		

Seq. No.	11765	Seq. ID	OJ990910_13.9B12.C20
Gene No.	24954	Strand	-
Start	493	End	939
Name	OJ990910_13.9B12.C20.o1.ts	Method	TBLASTX:Soybean
Start	610	End	858
GI	none	Score	95
Exons	610..858, 674..856		

Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24955	Strand	-
Start	1	End	4955
Name	OJ990910_13.9B12.C21.o1.np	Method	AAT/NAP
Start	1	End	4026
GI	4680203	Score	1680

Exons	1..371, 648..871, 1031..2692, 3943..4026		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24955	Strand	-
Start	1	End	4955
Name	OJ990910_13.9B12.C21.o1.gs	Method	GENSCAN
Start	7	End	4955
GI	none	Score	.77
Exons	7..764, 866..2692, 4483..4725, 4871..4955		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o1.tw	Method	TBLASTX:Wheat
Start	10	End	759
GI	none	Score	46
Exons	10..210, 20..157, 215..715, 217..759		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o2.tc	Method	TBLASTX:Cress
Start	46	End	472
GI	none	Score	44
Exons	46..210, 50..157, 215..472, 217..468		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o2.tm	Method	TBLASTX:Maize
Start	403	End	718
GI	none	Score	157
Exons	403..717, 422..718		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o4.ts	Method	TBLASTX:Soybean
Start	415	End	798
GI	none	Score	60
Exons	415..660, 416..541, 670..798		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o4.tw	Method	TBLASTX:Wheat
Start	885	End	1089
GI	none	Score	47
Exons	885..968, 916..957, 969..1088, 972..1088, 973..1089		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o3.tm	Method	TBLASTX:Maize
Start	894	End	1109
GI	none	Score	87

Exons	894..1085, 895..1083, 909..1109		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o3.ts	Method	TBLASTX:Soybean
Start	1200	End	1434
GI	none	Score	81
Exons	1200..1433, 1209..1409, 1273..1434		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o1.tm	Method	TBLASTX:Maize
Start	1269	End	1718
GI	none	Score	82
Exons	1269..1463, 1285..1488, 1470..1712, 1486..1713, 1587..1718		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o3.tw	Method	TBLASTX:Wheat
Start	1308	End	1649
GI	none	Score	80
Exons	1308..1463, 1309..1557, 1507..1602, 1509..1604, 1617..1649		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o1.tc	Method	TBLASTX:Cress
Start	1557	End	1904
GI	none	Score	93
Exons	1557..1904, 1558..1710, 1750..1899		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o2.ts	Method	TBLASTX:Soybean
Start	1638	End	1905
GI	none	Score	90
Exons	1638..1901, 1656..1880, 1657..1905		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o2.tw	Method	TBLASTX:Wheat
Start	1653	End	2333
GI	none	Score	83
Exons	1653..1778, 1785..1904, 1798..1881, 1917..2333, 2044..2244		
Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o1.ts	Method	TBLASTX:Soybean
Start	1924	End	2261
GI	none	Score	196
Exons	1924..2208, 1926..2207, 2206..2256, 2214..2261		

Seq. No.	11766	Seq. ID	OJ990910_13.9B12.C21
Gene No.	24956	Strand	-
Start	5453	End	10907
Name	OJ990910_13.9B12.C21.o2.gs	Method	GENSCAN
Start	5453	End	10907
GI	none	Score	.43
Exons	5453..5572, 5626..5855, 6435..6511, 10807..10907		

Seq. No.	11767	Seq. ID	OJ990910_13.9B12.C22
Gene No.	24957	Strand	+
Start	1	End	3958
Name	OJ990910_13.9B12.C22.o1.np	Method	AAT/NAP
Start	1	End	3933
GI	4835767	Score	530
Exons	1..331, 3409..3933		
GI Descrip.	(AC007202) T8K14.16 [Arabidopsis thaliana]		

Seq. No.	11767	Seq. ID	OJ990910_13.9B12.C22
Gene No.	24957	Strand	+
Start	1	End	3958
Name	OJ990910_13.9B12.C22.o2.ts	Method	TBLASTX:Soybean
Start	3	End	3504
GI	none	Score	62
Exons	3..92, 157..276, 158..286, 3403..3504		

Seq. No.	11767	Seq. ID	OJ990910_13.9B12.C22
Gene No.	24957	Strand	+
Start	1	End	3958
Name	OJ990910_13.9B12.C22.o1.tm	Method	TBLASTX:Maize
Start	179	End	3883
GI	none	Score	129
Exons	179..286, 184..276, 3403..3492, 3511..3639, 3515..3643, 3536..3646, 3641..3670, 3647..3739, 3742..3804, 3766..3882, 3767..3883		

Seq. No.	11767	Seq. ID	OJ990910_13.9B12.C22
Gene No.	24957	Strand	+
Start	1	End	3958
Name	OJ990910_13.9B12.C22.o1.gs	Method	GENSCAN
Start	206	End	3958
GI	none	Score	.49
Exons	206..331, 3409..3516, 3554..3958		

Seq. No.	11767	Seq. ID	OJ990910_13.9B12.C22
Gene No.	24957	Strand	+
Start	1	End	3958
Name	OJ990910_13.9B12.C22.o1.ts	Method	TBLASTX:Soybean
Start	3511	End	3883
GI	none	Score	253
Exons	3511..3675, 3515..3766, 3793..3882, 3794..3883		

Seq. No.	11768	Seq. ID	OJ990910_13.9B12.C23
Gene No.	24958	Strand	+
Start	52	End	190
Name	OJ990910_13.9B12.C23.o1.gs	Method	GENSCAN
Start	52	End	190

GI	none	Score	.5
Exons	52..190		

Seq. No.	11769	Seq. ID	OJ990910_13.9B12.C24
Gene No.	24959	Strand	-
Start	70	End	477
Name	OJ990910_13.9B12.C24.o1.gs	Method	GENSCAN
Start	70	End	477
GI	none	Score	.94
Exons	70..166, 389..477		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24960	Strand	+
Start	1615	End	2990
Name	OJ990910_13.9B12.C26.o1.gp	Method	AAT/GAP
Start	1615	End	2346
GI	2442756	Score	443
Exons	1615..1816, 2303..2346		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24960	Strand	+
Start	1615	End	2990
Name	OJ990910_13.9B12.C26.o1.np	Method	AAT/NAP
Start	1652	End	2990
GI	6907106	Score	373
Exons	1652..2094, 2512..2634, 2745..2990		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24961	Strand	+
Start	3080	End	3442
Name	OJ990910_13.9B12.C26.o2.gp	Method	AAT/GAP
Start	3080	End	3442
GI	20886_2.R1084	Score	539
Exons	3080..3442		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-24 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24962	Strand	+
Start	11307	End	12060
Name	OJ990910_13.9B12.C26.o2.np	Method	AAT/NAP
Start	11307	End	12060
GI	5823278	Score	409
Exons	11307..12060		
GI Descrip.	(AF175270) osmotin-like protein [Benincasa hispida]		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24962	Strand	+
Start	11307	End	12060
Name	OJ990910_13.9B12.C26.o4.gp	Method	AAT/GAP
Start	11328	End	11598
GI	2442546	Score	490
Exons	11328..11598		
GI Descrip.	2501182/sp|Q41350|OLP1_LYCES 1.0e-08 OSMOTIN-LIKE PROTEIN PRECURSOR >gi_2129934_pir__JC5237 osmotin-like protein - tomato		

>gi_1220537 (L76632) osmotin-like protein [Lycopersicon esculentum]

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24963	Strand	-
Start	1766	End	10232
Name	OJ990910_13.9B12.C26.o2.gs	Method	GENSCAN
Start	1766	End	10232
GI	none	Score	.74
Exons	1766..2533, 2563..2693, 3070..3183, 3398..3499, 4572..4617, 4736..4792, 5608..5663, 6093..6162, 6376..6471, 7656..7702, 7746..7829, 7886..8360, 10170..10232		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24964	Strand	
Start	11343	End	12066
Name	OJ990910_13.9B12.C26.o2.tm	Method	TBLASTX:Maize
Start	11343	End	11532
GI	none	Score	261
Exons	11343..11531, 11344..11532		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24964	Strand	
Start	11343	End	12066
Name	OJ990910_13.9B12.C26.o1.tc	Method	TBLASTX:Cress
Start	11383	End	12009
GI	none	Score	192
Exons	11383..11562, 11385..11540, 11583..11666, 11584..11667, 11691..11726, 11695..11739, 11782..11841, 11890..12009		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24964	Strand	
Start	11343	End	12066
Name	OJ990910_13.9B12.C26.o1.ts	Method	TBLASTX:Soybean
Start	11383	End	12066
GI	none	Score	180
Exons	11383..11541, 11385..11468, 11490..11540, 11583..11666, 11584..11679, 11691..11729, 11695..11739, 11782..11841, 11890..12009, 11995..12066		

Seq. No.	11770	Seq. ID	OJ990910_13.9B12.C26
Gene No.	24964	Strand	
Start	11343	End	12066
Name	OJ990910_13.9B12.C26.o1.tm	Method	TBLASTX:Maize
Start	11533	End	11841
GI	none	Score	250
Exons	11533..11766, 11565..11768, 11769..11840, 11770..11841		

Seq. No.	11771	Seq. ID	OJ990910_13.9B12.C27
Gene No.	24965	Strand	+
Start	35	End	2536
Name	OJ990910_13.9B12.C27.o1.gs	Method	GENSCAN
Start	35	End	2536
GI	none	Score	.56
Exons	35..58, 1205..1255, 1301..1494, 1932..2113, 2397..2536		

Seq. No.	11771	Seq. ID	OJ990910_13.9B12.C27

Gene No.	24965	Strand	+
Start	35	End	2536
Name	OJ990910_13.9B12.C27.o1.np	Method	AAT/NAP
Start	1085	End	2113
GI	5777617	Score	85
Exons	1085..1136, 1868..2113		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	11771	Seq. ID	OJ990910_13.9B12.C27
Gene No.	24966	Strand	-
Start	1196	End	1690
Name	OJ990910_13.9B12.C27.o1.gp	Method	AAT/GAP
Start	1196	End	1690
GI	uC-osflcyp126f10b1	Score	952
Exons	1196..1690		
GI Descrip.	'3915039/sp|Q41144|STC_RICCO 1.0e-15 SUGAR CARRIER PROTEIN C >gi_169718 (L08196) sugar carrier protein [Ricinus communis]'		

Seq. No.	11772	Seq. ID	OJ990910_13.9B12.C28
Gene No.	24967	Strand	+
Start	283	End	1613
Name	OJ990910_13.9B12.C28.o1.gp	Method	AAT/GAP
Start	283	End	870
GI	2310235	Score	295
Exons	283..320, 731..870		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	11772	Seq. ID	OJ990910_13.9B12.C28
Gene No.	24967	Strand	+
Start	283	End	1613
Name	OJ990910_13.9B12.C28.o1.gs	Method	GENSCAN
Start	731	End	1543
GI	none	Score	.84
Exons	731..1543		

Seq. No.	11772	Seq. ID	OJ990910_13.9B12.C28
Gene No.	24967	Strand	+
Start	283	End	1613
Name	OJ990910_13.9B12.C28.o1.np	Method	AAT/NAP
Start	737	End	1613
GI	4680203	Score	981
Exons	737..1613		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11772	Seq. ID	OJ990910_13.9B12.C28
Gene No.	24967	Strand	+
Start	283	End	1613
Name	OJ990910_13.9B12.C28.o1.tw	Method	TBLASTX:Wheat
Start	1082	End	1433
GI	none	Score	103
Exons	1082..1189, 1172..1423, 1180..1422, 1182..1433		

Seq. No.	11772	Seq. ID	OJ990910_13.9B12.C28
Gene No.	24967	Strand	+
Start	283	End	1613
Name	OJ990910_13.9B12.C28.o1.ts	Method	TBLASTX:Soybean

Start	1205	End	1495
GI	none	Score	238
Exons	1205..1423, 1213..1419, 1430..1495		

Seq. No.	11773	Seq. ID	OJ990910_13.9B12.C29
Gene No.	24968	Strand	+
Start	70	End	123
Name	OJ990910_13.9B12.C29.o1.gs	Method	GENSCAN
Start	70	End	123
GI	none	Score	.81
Exons	70..123		

Seq. No.	11774	Seq. ID	OJ990910_13.9B12.C30
Gene No.	24969	Strand	+
Start	1	End	357
Name	OJ990910_13.9B12.C30.o1.gp	Method	AAT/GAP
Start	1	End	357
GI	342_1.R1084	Score	608
Exons	1..357		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	11774	Seq. ID	OJ990910_13.9B12.C30
Gene No.	24969	Strand	+
Start	1	End	357
Name	OJ990910_13.9B12.C30.o1.np	Method	AAT/NAP
Start	1	End	357
GI	4680203	Score	369
Exons	1..357		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11774	Seq. ID	OJ990910_13.9B12.C30
Gene No.	24969	Strand	+
Start	1	End	357
Name	OJ990910_13.9B12.C30.o1.tw	Method	TBLASTX:Wheat
Start	24	End	357
GI	none	Score	105
Exons	24..128, 25..144, 139..183, 143..178, 186..281, 190..249, 228..356, 229..357		

Seq. No.	11774	Seq. ID	OJ990910_13.9B12.C30
Gene No.	24969	Strand	+
Start	1	End	357
Name	OJ990910_13.9B12.C30.o1.gs	Method	GENSCAN
Start	73	End	282
GI	none	Score	.71
Exons	73..282		

Seq. No.	11775	Seq. ID	OJ990920_12.9B15.C1
Gene No.	24970	Strand	+
Start	1	End	670
Name	OJ990920_12.9B15.C1.o1.np	Method	AAT/NAP
Start	1	End	670
GI	4234852	Score	214
Exons	1..256, 608..670		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	11776	Seq. ID	OJ990920_12.9B15.C2
Gene No.	24971	Strand	+
Start	201	End	324
Name	OJ990920_12.9B15.C2.o1.gs	Method	GENSCAN
Start	201	End	324
GI	none	Score	.74
Exons	201..324		

Seq. No.	11777	Seq. ID	OJ990920_12.9B15.C4
Gene No.	24972	Strand	+
Start	316	End	488
Name	OJ990920_12.9B15.C4.o1.gs	Method	GENSCAN
Start	316	End	488
GI	none	Score	.78
Exons	316..488		

Seq. No.	11778	Seq. ID	OJ990920_12.9B15.C5
Gene No.	24973	Strand	-
Start	1	End	1784
Name	OJ990920_12.9B15.C5.o1.np	Method	AAT/NAP
Start	1	End	1784
GI	3702321	Score	155
Exons	1..44, 649..705, 809..945, 1465..1567, 1661..1784		
GI Descrip.	(AC005397) eukaryotic translation initiation factor 3 delta subunit [Arabidopsis thaliana]		

Seq. No.	11778	Seq. ID	OJ990920_12.9B15.C5
Gene No.	24974	Strand	-
Start	1717	End	1939
Name	OJ990920_12.9B15.C5.o1.gs	Method	GENSCAN
Start	1717	End	1939
GI	none	Score	.72
Exons	1717..1839, 1910..1939		

Seq. No.	11778	Seq. ID	OJ990920_12.9B15.C5
Gene No.	24975	Strand	-
Start	3037	End	5899
Name	OJ990920_12.9B15.C5.o2.gs	Method	GENSCAN
Start	3037	End	5256
GI	none	Score	.74
Exons	3037..5256		

Seq. No.	11778	Seq. ID	OJ990920_12.9B15.C5
Gene No.	24975	Strand	-
Start	3037	End	5899
Name	OJ990920_12.9B15.C5.o2.np	Method	AAT/NAP
Start	3513	End	5899
GI	6721547	Score	204
Exons	3513..4038, 4066..5021, 5876..5899		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	11778	Seq. ID	OJ990920_12.9B15.C5
Gene No.	24975	Strand	-
Start	3037	End	5899
Name	OJ990920_12.9B15.C5.o1.tw	Method	TBLASTX:Wheat
Start	3997	End	4368
GI	none	Score	108

Exons	3997..4146, 4051..4242, 4063..4236, 4216..4317, 4230..4319, 4321..4368		
Seq. No.	11778	Seq. ID	OJ990920_12.9B15.C5
Gene No.	24975	Strand	-
Start	3037	End	5899
Name	OJ990920_12.9B15.C5.o3.np	Method	AAT/NAP
Start	4654	End	5283
GI	2792216	Score	223
Exons	4654..4858, 4899..5283		
GI Descrip.	(AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		
Seq. No.	11779	Seq. ID	OJ990920_12.9B15.C7
Gene No.	24976	Strand	-
Start	637	End	1926
Name	OJ990920_12.9B15.C7.o1.np	Method	AAT/NAP
Start	637	End	1926
GI	4680207	Score	59
Exons	637..959, 1902..1926		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	11780	Seq. ID	OJ990920_12.9B15.C10
Gene No.	24977	Strand	+
Start	531	End	633
Name	OJ990920_12.9B15.C10.o1.np	Method	AAT/NAP
Start	531	End	633
GI	5922620	Score	83
Exons	531..633		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11780	Seq. ID	OJ990920_12.9B15.C10
Gene No.	24978	Strand	+
Start	909	End	1222
Name	OJ990920_12.9B15.C10.o2.np	Method	AAT/NAP
Start	909	End	1222
GI	5922620	Score	159
Exons	909..947, 1106..1222		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11781	Seq. ID	OJ990920_12.9B15.C11
Gene No.	24979	Strand	+
Start	1	End	1897
Name	OJ990920_12.9B15.C11.o1.np	Method	AAT/NAP
Start	1	End	1879
GI	4056454	Score	111
Exons	1..42, 885..1410, 1596..1879		
GI Descrip.	(AC005990) Contains repeated region with similarity to gb|U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs		

gb|Z34165 and gb|Z18788 come from this gene. [Arabidopsis thaliana]

Seq. No.	11781	Seq. ID	OJ990920_12.9B15.C11
Gene No.	24979	Strand	+
Start	1	End	1897
Name	OJ990920_12.9B15.C11.o1.gs	Method	GENSCAN
Start	300	End	1897
GI	none	Score	.68
Exons	300..380, 1235..1427, 1522..1585, 1786..1897		

Seq. No.	11781	Seq. ID	OJ990920_12.9B15.C11
Gene No.	24980	Strand	+
Start	2722	End	3482
Name	OJ990920_12.9B15.C11.o3.np	Method	AAT/NAP
Start	2722	End	3482
GI	6721561	Score	87
Exons	2722..2827, 3387..3482		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11781	Seq. ID	OJ990920_12.9B15.C11
Gene No.	24981	Strand	-
Start	2851	End	3482
Name	OJ990920_12.9B15.C11.o2.np	Method	AAT/NAP
Start	2599	End	3482
GI	4680183	Score	124
Exons	2599..2681, 3437..3482		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	11781	Seq. ID	OJ990920_12.9B15.C11
Gene No.	24981	Strand	-
Start	2851	End	3482
Name	OJ990920_12.9B15.C11.o2.gs	Method	GENSCAN
Start	2851	End	2954
GI	none	Score	.73
Exons	2851..2954		

Seq. No.	11782	Seq. ID	OJ990920_12.9B15.C12
Gene No.	24982	Strand	+
Start	1	End	2011
Name	OJ990920_12.9B15.C12.o1.gp	Method	AAT/GAP
Start	1	End	203
GI	2309677	Score	402
Exons	1..203		

Seq. No.	11782	Seq. ID	OJ990920_12.9B15.C12
Gene No.	24982	Strand	+
Start	1	End	2011
Name	OJ990920_12.9B15.C12.o1.gs	Method	GENSCAN
Start	88	End	1975
GI	none	Score	.59
Exons	88..803, 916..1975		

Seq. No.	11782	Seq. ID	OJ990920_12.9B15.C12
Gene No.	24982	Strand	+
Start	1	End	2011
Name	OJ990920_12.9B15.C12.o1.np	Method	AAT/NAP
Start	535	End	1478
GI	2792216	Score	157
Exons	535..600, 657..803, 916..1478		
GI Descrip.	(AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	11782	Seq. ID	OJ990920_12.9B15.C12
Gene No.	24982	Strand	+
Start	1	End	2011
Name	OJ990920_12.9B15.C12.o1.tw	Method	TBLASTX:Wheat
Start	1748	End	2011
GI	none	Score	149
Exons	1748..1894, 1753..1893, 1853..2011, 1883..2011, 1914..1976		

Seq. No.	11783	Seq. ID	OJ990920_12.9B15.C13
Gene No.	24983	Strand	+
Start	77	End	361
Name	OJ990920_12.9B15.C13.o1.gp	Method	AAT/GAP
Start	77	End	361
GI	11827_1.R1084	Score	391
Exons	77..361		
GI Descrip.	'3702321 7.0e-26 (AC005397) putative TGF-beta receptor interacting protein [Arabidopsis thaliana]'		

Seq. No.	11783	Seq. ID	OJ990920_12.9B15.C13
Gene No.	24983	Strand	+
Start	77	End	361
Name	OJ990920_12.9B15.C13.o1.gs	Method	GENSCAN
Start	89	End	165
GI	none	Score	.78
Exons	89..165		

Seq. No.	11783	Seq. ID	OJ990920_12.9B15.C13
Gene No.	24984	Strand	+
Start	396	End	457
Name	OJ990920_12.9B15.C13.o2.gp	Method	AAT/GAP
Start	396	End	457
GI	25175_1.R1084	Score	75
Exons	396..457		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	11784	Seq. ID	OJ990920_12.9B15.C14
Gene No.	24985	Strand	-
Start	2240	End	2742
Name	OJ990920_12.9B15.C14.o1.gs	Method	GENSCAN
Start	2240	End	2742
GI	none	Score	.67
Exons	2240..2304, 2357..2498, 2686..2742		

Seq. No.	11785	Seq. ID	OJ990920_12.9B15.C15
Gene No.	24986	Strand	-
Start	39	End	427
Name	OJ990920_12.9B15.C15.o1.gp	Method	AAT/GAP

Start	39	End	427
GI	none	Score	725
Exons	39..427		

Seq. No.	11785	Seq. ID	OJ990920_12.9B15.C15
Gene No.	24987	Strand	-
Start	1508	End	1932
Name	OJ990920_12.9B15.C15.o1.gs	Method	GENSCAN
Start	1508	End	1932
GI	none	Score	.58
Exons	1508..1932		

Seq. No.	11786	Seq. ID	OJ990920_12.9B15.C16
Gene No.	24988	Strand	+
Start	116	End	5163
Name	OJ990920_12.9B15.C16.o1.np	Method	AAT/NAP
Start	116	End	489
GI	4587585	Score	179
Exons	116..489		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11786	Seq. ID	OJ990920_12.9B15.C16
Gene No.	24988	Strand	+
Start	116	End	5163
Name	OJ990920_12.9B15.C16.o2.tm	Method	TBLASTX:Maize
Start	309	End	608
GI	none	Score	267
Exons	309..455, 310..465, 310..459, 314..460, 555..608, 557..589		

Seq. No.	11786	Seq. ID	OJ990920_12.9B15.C16
Gene No.	24988	Strand	+
Start	116	End	5163
Name	OJ990920_12.9B15.C16.o1.tc	Method	TBLASTX:Cress
Start	310	End	431
GI	none	Score	196
Exons	310..429, 310..429, 315..431		

Seq. No.	11786	Seq. ID	OJ990920_12.9B15.C16
Gene No.	24988	Strand	+
Start	116	End	5163
Name	OJ990920_12.9B15.C16.o1.gp	Method	AAT/GAP
Start	314	End	592
GI	42931_1.R1084	Score	301
Exons	314..462, 555..592		
GI Descrip.	'4587585/gb|AAD25813.1|AC007232_3 5.0e-47 (AC007232) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11786	Seq. ID	OJ990920_12.9B15.C16
Gene No.	24988	Strand	+
Start	116	End	5163
Name	OJ990920_12.9B15.C16.o1.gs	Method	GENSCAN
Start	316	End	5128
GI	none	Score	.92
Exons	316..462, 1574..1645, 1652..1992, 3246..3886, 5069..5128		

Seq. No.	11786	Seq. ID	OJ990920_12.9B15.C16
Gene No.	24988	Strand	+

Start	116	End	5163
Name	OJ990920_12.9B15.C16.o2.np	Method	AAT/NAP
Start	3345	End	3732
GI	4538896	Score	252
Exons	3345..3732		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	11786	Seq. ID	OJ990920_12.9B15.C16
Gene No.	24988	Strand	+
Start	116	End	5163
Name	OJ990920_12.9B15.C16.o1.tm	Method	TBLASTX:Maize
Start	3402	End	3828
GI	none	Score	350
Exons	3402..3758, 3403..3828, 3439..3807		

Seq. No.	11786	Seq. ID	OJ990920_12.9B15.C16
Gene No.	24988	Strand	+
Start	116	End	5163
Name	OJ990920_12.9B15.C16.o3.np	Method	AAT/NAP
Start	4416	End	5163
GI	6539570	Score	141
Exons	4416..4609, 4758..4843, 5134..5163		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11787	Seq. ID	OJ990920_12.9B15.C17
Gene No.	24989	Strand	+
Start	295	End	602
Name	OJ990920_12.9B15.C17.o1.np	Method	AAT/NAP
Start	295	End	602
GI	6539570	Score	120
Exons	295..602		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11788	Seq. ID	OJ990920_12.9B15.C18
Gene No.	24990	Strand	-
Start	209	End	742
Name	OJ990920_12.9B15.C18.o1.gs	Method	GENSCAN
Start	209	End	733
GI	none	Score	.69
Exons	209..733		

Seq. No.	11788	Seq. ID	OJ990920_12.9B15.C18
Gene No.	24990	Strand	-
Start	209	End	742
Name	OJ990920_12.9B15.C18.o1.np	Method	AAT/NAP
Start	209	End	742
GI	4584355	Score	352
Exons	209..742		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	11789	Seq. ID	OJ990920_12.9B15.C19
Gene No.	24991	Strand	+
Start	1	End	1382
Name	OJ990920_12.9B15.C19.o1.np	Method	AAT/NAP
Start	1	End	1382
GI	5922620	Score	198
Exons	1..29, 469..548, 888..1139, 1340..1382		

GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11790	Seq. ID	OJ990920_12.9B15.C20
Gene No.	24992	Strand	+
Start	1	End	632
Name	OJ990920_12.9B15.C20.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6721547	Score	191
Exons	1..56, 83..632		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	11790	Seq. ID	OJ990920_12.9B15.C20
Gene No.	24992	Strand	+
Start	1	End	632
Name	OJ990920_12.9B15.C20.o1.tm	Method	TBLASTX:Maize
Start	80	End	445
GI	none	Score	114
Exons	80..187, 82..183, 191..325, 193..324, 323..445, 337..444		

Seq. No.	11790	Seq. ID	OJ990920_12.9B15.C20
Gene No.	24992	Strand	+
Start	1	End	632
Name	OJ990920_12.9B15.C20.o1.gs	Method	GENSCAN
Start	125	End	509
GI	none	Score	.62
Exons	125..509		

Seq. No.	11790	Seq. ID	OJ990920_12.9B15.C20
Gene No.	24992	Strand	+
Start	1	End	632
Name	OJ990920_12.9B15.C20.o1.tw	Method	TBLASTX:Wheat
Start	269	End	508
GI	none	Score	177
Exons	269..508, 328..504		

Seq. No.	11791	Seq. ID	OJ990920_12.9B15.C21
Gene No.	24993	Strand	-
Start	11	End	443
Name	OJ990920_12.9B15.C21.o1.gs	Method	GENSCAN
Start	11	End	443
GI	none	Score	.91
Exons	11..133, 378..443		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24994	Strand	+
Start	455	End	1856
Name	OJ990920_12.9B15.C24.o1.gs	Method	GENSCAN
Start	455	End	1856
GI	none	Score	.63
Exons	455..537, 574..623, 1786..1856		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24995	Strand	+

Start	4982	End	10997
Name	OJ990920_12.9B15.C24.o1.np	Method	AAT/NAP
Start	4982	End	10997
GI	4512618	Score	1837
Exons	4982..5203, 5605..5951, 6003..6334, 6511..8088, 8371..9973, 10835..10997		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24996	Strand	-
Start	2285	End	3591
Name	OJ990920_12.9B15.C24.o2.gs	Method	GENSCAN
Start	2285	End	3591
GI	none	Score	.79
Exons	2285..2288, 2723..3591		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o4.ts	Method	TBLASTX:Soybean
Start	12	End	349
GI	none	Score	71
Exons	12..212, 15..161, 269..349		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o6.tm	Method	TBLASTX:Maize
Start	3169	End	3546
GI	none	Score	85
Exons	3169..3429, 3170..3328, 3424..3546, 3438..3458, 3443..3529		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o5.tm	Method	TBLASTX:Maize
Start	5510	End	6008
GI	none	Score	67
Exons	5510..5584, 5519..5668, 5603..5668, 5711..5779, 5780..5965, 5793..6008		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o9.tm	Method	TBLASTX:Maize
Start	6574	End	6948
GI	none	Score	114
Exons	6574..6741, 6751..6948		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o8.tm	Method	TBLASTX:Maize
Start	7074	End	7358
GI	none	Score	184

Exons	7074..7241, 7078..7245, 7258..7356, 7260..7358		
Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o3.tm	Method	TBLASTX:Maize
Start	7359	End	7816
GI	none	Score	130
Exons	7359..7466, 7363..7464, 7423..7587, 7441..7638, 7490..7603, 7509..7616, 7602..7685, 7675..7803, 7676..7816		
Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o3.ts	Method	TBLASTX:Soybean
Start	7369	End	7825
GI	none	Score	156
Exons	7369..7611, 7608..7676, 7703..7825		
Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o1.tc	Method	TBLASTX:Cress
Start	7399	End	7848
GI	none	Score	129
Exons	7399..7638, 7702..7848, 7703..7825		
Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o3.tw	Method	TBLASTX:Wheat
Start	7489	End	7825
GI	none	Score	123
Exons	7489..7614, 7535..7567, 7608..7685, 7631..7681, 7675..7776, 7676..7825		
Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o7.tm	Method	TBLASTX:Maize
Start	8521	End	8764
GI	none	Score	261
Exons	8521..8763, 8522..8764		
Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o2.ts	Method	TBLASTX:Soybean
Start	8522	End	8963
GI	5509260	Score	137
Exons	8522..8800, 8786..8959, 8799..8963		
GI Descrip.	-		
Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o2.tc	Method	TBLASTX:Cress

Start	8576	End	8797
GI	none	Score	187
Exons	8576..8797, 8602..8775		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o2.tw	Method	TBLASTX:Wheat
Start	8609	End	8939
GI	none	Score	116
Exons	8609..8800, 8786..8938, 8799..8939		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o2.tm	Method	TBLASTX:Maize
Start	8765	End	9182
GI	none	Score	41
Exons	8765..8800, 8796..9020, 8798..9160, 8799..9182, 9081..9182		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o1.tw	Method	TBLASTX:Wheat
Start	9144	End	9574
GI	none	Score	43
Exons	9144..9170, 9205..9285, 9209..9286, 9329..9574, 9331..9429, 9475..9573		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o1.tm	Method	TBLASTX:Maize
Start	9187	End	9631
GI	none	Score	474
Exons	9187..9630, 9209..9631		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o1.ts	Method	TBLASTX:Soybean
Start	9338	End	9943
GI	none	Score	434
Exons	9338..9943, 9358..9423, 9532..9642		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o4.tm	Method	TBLASTX:Maize
Start	9632	End	9976
GI	none	Score	337
Exons	9632..9940, 9644..9799, 9751..9939, 9944..9976		

Seq. No.	11792	Seq. ID	OJ990920_12.9B15.C24
Gene No.	24997	Strand	-
Start	12780	End	13060
Name	OJ990920_12.9B15.C24.o4.gs	Method	GENSCAN

Start	12780	End	13060
GI	none	Score	.79
Exons	12780..12887, 12980..13060		

Seq. No.	11793	Seq. ID	OJ990920_12.9B15.C25
Gene No.	24998	Strand	-
Start	1	End	6261
Name	OJ990920_12.9B15.C25.o1.np	Method	AAT/NAP
Start	1	End	6261
GI	6815062	Score	1350
Exons	1..23, 765..1127, 4647..4720, 4812..4882, 5054..6261		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	11793	Seq. ID	OJ990920_12.9B15.C25
Gene No.	24998	Strand	-
Start	1	End	6261
Name	OJ990920_12.9B15.C25.o1.gs	Method	GENSCAN
Start	151	End	4154
GI	none	Score	.4
Exons	151..524, 594..692, 3160..3340, 3633..3898, 4098..4154		

Seq. No.	11793	Seq. ID	OJ990920_12.9B15.C25
Gene No.	24998	Strand	-
Start	1	End	6261
Name	OJ990920_12.9B15.C25.o2.tm	Method	TBLASTX:Maize
Start	868	End	1094
GI	none	Score	127
Exons	868..1092, 885..1094		

Seq. No.	11793	Seq. ID	OJ990920_12.9B15.C25
Gene No.	24998	Strand	-
Start	1	End	6261
Name	OJ990920_12.9B15.C25.o1.gp	Method	AAT/GAP
Start	1283	End	1395
GI	uC-osflcyp088b12b1	Score	146
Exons	1283..1395		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11793	Seq. ID	OJ990920_12.9B15.C25
Gene No.	24998	Strand	-
Start	1	End	6261
Name	OJ990920_12.9B15.C25.o2.gs	Method	GENSCAN
Start	4652	End	6041
GI	none	Score	.68
Exons	4652..4720, 4812..4902, 5249..5264, 5453..6041		

Seq. No.	11793	Seq. ID	OJ990920_12.9B15.C25
Gene No.	24998	Strand	-
Start	1	End	6261
Name	OJ990920_12.9B15.C25.o1.tm	Method	TBLASTX:Maize
Start	5974	End	6260
GI	none	Score	164
Exons	5974..6255, 5976..6260		

Seq. No.	11794	Seq. ID	OJ990920_12.9B15.C26
Gene No.	24999	Strand	-
Start	19	End	1414
Name	OJ990920_12.9B15.C26.o1.gs	Method	GENSCAN
Start	19	End	1414
GI	none	Score	.54
Exons	19..498, 591..707, 1300..1414		

Seq. No.	11795	Seq. ID	OJ990920_12.9B15.C27
Gene No.	25000	Strand	-
Start	1	End	1745
Name	OJ990920_12.9B15.C27.o1.np	Method	AAT/NAP
Start	1	End	1745
GI	4680207	Score	298
Exons	1..229, 567..869, 1729..1745		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	11795	Seq. ID	OJ990920_12.9B15.C27
Gene No.	25000	Strand	-
Start	1	End	1745
Name	OJ990920_12.9B15.C27.o1.ts	Method	TBLASTX:Soybean
Start	6	End	909
GI	none	Score	72
Exons	6..50, 66..206, 565..729, 632..688, 727..909		

Seq. No.	11795	Seq. ID	OJ990920_12.9B15.C27
Gene No.	25000	Strand	-
Start	1	End	1745
Name	OJ990920_12.9B15.C27.o1.gs	Method	GENSCAN
Start	553	End	949
GI	none	Score	.98
Exons	553..949		

Seq. No.	11796	Seq. ID	OJ990920_12.9B15.C28
Gene No.	25001	Strand	+
Start	193	End	472
Name	OJ990920_12.9B15.C28.o1.gs	Method	GENSCAN
Start	193	End	472
GI	none	Score	.65
Exons	193..333, 338..472		

Seq. No.	11796	Seq. ID	OJ990920_12.9B15.C28
Gene No.	25002	Strand	+
Start	7827	End	9393
Name	OJ990920_12.9B15.C28.o2.np	Method	AAT/NAP
Start	7827	End	9393
GI	4234846	Score	1053
Exons	7827..7970, 8007..9393		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	11796	Seq. ID	OJ990920_12.9B15.C28
Gene No.	25003	Strand	-
Start	1	End	3571
Name	OJ990920_12.9B15.C28.o1.np	Method	AAT/NAP
Start	1	End	3571
GI	6721550	Score	287

Exons	1..24, 2611..3571		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	11796	Seq. ID	OJ990920_12.9B15.C28
Gene No.	25003	Strand	-
Start	1	End	3571
Name	OJ990920_12.9B15.C28.o2.tm	Method	TBLASTX:Maize
Start	3013	End	3523
GI	none	Score	59
Exons	3013..3051, 3018..3056, 3046..3366, 3131..3232, 3408..3506, 3428..3523		

Seq. No.	11796	Seq. ID	OJ990920_12.9B15.C28
Gene No.	25004	Strand	
Start	7920	End	9076
Name	OJ990920_12.9B15.C28.o1.tm	Method	TBLASTX:Maize
Start	7920	End	8935
GI	none	Score	630
Exons	7920..8468, 7922..8461, 8356..8484, 8469..8495, 8583..8675, 8585..8665, 8774..8866, 8780..8860, 8788..8880, 8870..8935, 8870..8929		

Seq. No.	11796	Seq. ID	OJ990920_12.9B15.C28
Gene No.	25004	Strand	
Start	7920	End	9076
Name	OJ990920_12.9B15.C28.o1.tw	Method	TBLASTX:Wheat
Start	8729	End	9076
GI	none	Score	193
Exons	8729..9076		

Seq. No.	11797	Seq. ID	OJ990920_12.9B15.C29
Gene No.	25005	Strand	+
Start	1	End	666
Name	OJ990920_12.9B15.C29.o1.np	Method	AAT/NAP
Start	1	End	666
GI	4587585	Score	162
Exons	1..20, 556..666		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11798	Seq. ID	OJ990920_12.9B15.C30
Gene No.	25006	Strand	+
Start	1	End	105
Name	OJ990920_12.9B15.C30.o1.np	Method	AAT/NAP
Start	1	End	105
GI	4587585	Score	124
Exons	1..105		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25007	Strand	+
Start	1	End	716
Name	OJ990920_12.9B15.C31.o1.np	Method	AAT/NAP
Start	1	End	713
GI	4835247	Score	290
Exons	1..133, 217..278, 433..530, 568..713		
GI Descrip.	(AL049862) putative tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25007	Strand	+
Start	1	End	716
Name	OJ990920_12.9B15.C31.o1.gs	Method	GENSCAN
Start	433	End	716
GI	none	Score	.99
Exons	433..530, 607..716		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25008	Strand	+
Start	2312	End	3609
Name	OJ990920_12.9B15.C31.o2.gs	Method	GENSCAN
Start	2312	End	3609
GI	none	Score	.74
Exons	2312..2361, 2432..2798, 3409..3609		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25008	Strand	+
Start	2312	End	3609
Name	OJ990920_12.9B15.C31.o2.np	Method	AAT/NAP
Start	2358	End	2750
GI	4220477	Score	120
Exons	2358..2750		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25009	Strand	-
Start	3651	End	8666
Name	OJ990920_12.9B15.C31.o1.tm	Method	TBLASTX:Maize
Start	53	End	535
GI	none	Score	126
Exons	53..133, 53..133, 195..293, 214..294, 401..535, 427..534		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25009	Strand	-
Start	3651	End	8666
Name	OJ990920_12.9B15.C31.o3.gs	Method	GENSCAN
Start	3651	End	5722
GI	none	Score	.73
Exons	3651..3983, 4113..4266, 4396..4427, 4641..4826, 4891..5015, 5034..5252, 5385..5519, 5704..5722		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25009	Strand	-
Start	3651	End	8666
Name	OJ990920_12.9B15.C31.o3.np	Method	AAT/NAP
Start	3654	End	5739
GI	6721561	Score	498
Exons	3654..4427, 4524..4566, 4634..4859, 5704..5739		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25009	Strand	-

Start	3651	End	8666
Name	OJ990920_12.9B15.C31.o4.np	Method	AAT/NAP
Start	3874	End	5801
GI	6721558	Score	153
Exons	3874..4084, 4891..5015, 5704..5801		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25009	Strand	-
Start	3651	End	8666
Name	OJ990920_12.9B15.C31.o5.np	Method	AAT/NAP
Start	4881	End	8516
GI	6721512	Score	195
Exons	4881..4919, 6404..6465, 6507..6640, 6668..6784, 7914..8034, 8493..8516		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25009	Strand	-
Start	3651	End	8666
Name	OJ990920_12.9B15.C31.o6.np	Method	AAT/NAP
Start	5170	End	8666
GI	6498434	Score	39
Exons	5170..5277, 7415..7510, 8574..8666		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	11799	Seq. ID	OJ990920_12.9B15.C31
Gene No.	25009	Strand	-
Start	3651	End	8666
Name	OJ990920_12.9B15.C31.o4.gs	Method	GENSCAN
Start	7364	End	8513
GI	none	Score	.74
Exons	7364..7489, 8234..8394, 8396..8513		

Seq. No.	11800	Seq. ID	OJ990920_12.9B15.C32
Gene No.	25010	Strand	+
Start	98	End	814
Name	OJ990920_12.9B15.C32.o1.gs	Method	GENSCAN
Start	98	End	814
GI	none	Score	.77
Exons	98..814		

Seq. No.	11800	Seq. ID	OJ990920_12.9B15.C32
Gene No.	25011	Strand	-
Start	953	End	1040
Name	OJ990920_12.9B15.C32.o2.gs	Method	GENSCAN
Start	953	End	1040
GI	none	Score	.6
Exons	953..1040		

Seq. No.	11801	Seq. ID	OJ990920_12.9B15.C33
Gene No.	25012	Strand	+
Start	2181	End	4159
Name	OJ990920_12.9B15.C33.o1.gs	Method	GENSCAN
Start	2181	End	4141

GI	none	Score	.93
Exons	2181..2653, 3555..3670, 3971..4141		

Seq. No.	11801	Seq. ID	OJ990920_12.9B15.C33
Gene No.	25012	Strand	+
Start	2181	End	4159
Name	OJ990920_12.9B15.C33.o1.np	Method	AAT/NAP
Start	2196	End	4159
GI	1575556	Score	751
Exons	2196..2653, 3555..3670, 3971..4159		
GI Descrip.	(U66299) acyl-CoA oxidase homolog [Phalaenopsis sp. 'True Lady']		

Seq. No.	11801	Seq. ID	OJ990920_12.9B15.C33
Gene No.	25012	Strand	+
Start	2181	End	4159
Name	OJ990920_12.9B15.C33.o1.tc	Method	TBLASTX:Cress
Start	2393	End	4146
GI	none	Score	280
Exons	2393..2653, 2409..2651, 3546..3671, 3553..3660, 3969..4127, 3970..4146		

Seq. No.	11801	Seq. ID	OJ990920_12.9B15.C33
Gene No.	25012	Strand	+
Start	2181	End	4159
Name	OJ990920_12.9B15.C33.o1.ts	Method	TBLASTX:Soybean
Start	2402	End	2642
GI	none	Score	248
Exons	2402..2641, 2409..2642		

Seq. No.	11801	Seq. ID	OJ990920_12.9B15.C33
Gene No.	25012	Strand	+
Start	2181	End	4159
Name	OJ990920_12.9B15.C33.o1.tm	Method	TBLASTX:Maize
Start	2570	End	4159
GI	none	Score	120
Exons	2570..2653, 2571..2651, 2580..2675, 3539..3670, 3549..3671, 3553..3660, 3969..4154, 3970..4155, 3977..4159		

Seq. No.	11802	Seq. ID	OJ990920_12.9B15.C35
Gene No.	25013	Strand	-
Start	1	End	654
Name	OJ990920_12.9B15.C35.o1.np	Method	AAT/NAP
Start	1	End	654
GI	4234854	Score	784
Exons	1..654		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	11802	Seq. ID	OJ990920_12.9B15.C35
Gene No.	25013	Strand	-
Start	1	End	654
Name	OJ990920_12.9B15.C35.o1.tw	Method	TBLASTX:Wheat
Start	13	End	367
GI	none	Score	163
Exons	13..366, 22..366, 23..367, 281..367		

Seq. No.	11802	Seq. ID	OJ990920_12.9B15.C35
Gene No.	25013	Strand	-

Start	1	End	654
Name	OJ990920_12.9B15.C35.o1.ts	Method	TBLASTX:Soybean
Start	58	End	498
GI	5509260	Score	47
Exons	58..495, 59..100, 137..487, 298..498		
GI Descrip.	-		

Seq. No.	11802	Seq. ID	OJ990920_12.9B15.C35
Gene No.	25013	Strand	-
Start	1	End	654
Name	OJ990920_12.9B15.C35.o1.tc	Method	TBLASTX:Cress
Start	148	End	408
GI	none	Score	119
Exons	148..408, 149..406		

Seq. No.	11802	Seq. ID	OJ990920_12.9B15.C35
Gene No.	25013	Strand	-
Start	1	End	654
Name	OJ990920_12.9B15.C35.o1.tm	Method	TBLASTX:Maize
Start	187	End	495
GI	none	Score	108
Exons	187..495, 188..487		

Seq. No.	11803	Seq. ID	OJ990920_12.9B15.C36
Gene No.	25014	Strand	+
Start	66	End	504
Name	OJ990920_12.9B15.C36.o1.gs	Method	GENSCAN
Start	66	End	504
GI	none	Score	.8
Exons	66..504		

Seq. No.	11804	Seq. ID	OJ990930_19.9B12.C1
Gene No.	25015	Strand	-
Start	22	End	722
Name	OJ990930_19.9B12.C1.o1.gs	Method	GENSCAN
Start	22	End	648
GI	none	Score	.81
Exons	22..648		

Seq. No.	11804	Seq. ID	OJ990930_19.9B12.C1
Gene No.	25015	Strand	-
Start	22	End	722
Name	OJ990930_19.9B12.C1.o1.np	Method	AAT/NAP
Start	327	End	722
GI	4689223	Score	142
Exons	327..722		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	11804	Seq. ID	OJ990930_19.9B12.C1
Gene No.	25015	Strand	-
Start	22	End	722
Name	OJ990930_19.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	328	End	588
GI	none	Score	46
Exons	328..426, 328..582, 341..544, 457..588		

Seq. No.	11805	Seq. ID	OJ990930_19.9B12.C4
Gene No.	25016	Strand	-
Start	94	End	1730
Name	OJ990930_19.9B12.C4.o1.np	Method	AAT/NAP
Start	94	End	1730
GI	6016871	Score	389
Exons	94..1317, 1367..1730		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11805	Seq. ID	OJ990930_19.9B12.C4
Gene No.	25016	Strand	-
Start	94	End	1730
Name	OJ990930_19.9B12.C4.o1.gp	Method	AAT/GAP
Start	253	End	696
GI	none	Score	849
Exons	253..696		

Seq. No.	11805	Seq. ID	OJ990930_19.9B12.C4
Gene No.	25016	Strand	-
Start	94	End	1730
Name	OJ990930_19.9B12.C4.o2.gp	Method	AAT/GAP
Start	794	End	929
GI	none	Score	259
Exons	794..929		

Seq. No.	11806	Seq. ID	OJ990930_19.9B12.C5
Gene No.	25017	Strand	+
Start	2448	End	2531
Name	OJ990930_19.9B12.C5.o1.np	Method	AAT/NAP
Start	2448	End	2531
GI	6721547	Score	83
Exons	2448..2531		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	11807	Seq. ID	OJ990930_19.9B12.C6
Gene No.	25019	Strand	+
Start	2054	End	3505
Name	OJ990930_19.9B12.C6.o2.gs	Method	GENSCAN
Start	2054	End	3505
GI	none	Score	.65
Exons	2054..2282, 3333..3505		

Seq. No.	11807	Seq. ID	OJ990930_19.9B12.C6
Gene No.	25020	Strand	-
Start	1	End	785
Name	OJ990930_19.9B12.C6.o1.np	Method	AAT/NAP
Start	1	End	785
GI	6016871	Score	205
Exons	1..411, 457..785		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11807	Seq. ID	OJ990930_19.9B12.C6
Gene No.	25020	Strand	-
Start	1	End	785
Name	OJ990930_19.9B12.C6.o1.gs	Method	GENSCAN

Start	36	End	701
GI	none	Score	.82
Exons	36..701		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25021	Strand	+
Start	3838	End	12411
Name	OJ990930_19.9B12.C7.o2.gs	Method	GENSCAN
Start	3838	End	12326
GI	none	Score	.7
Exons	3838..3956, 4464..4732, 5508..6510, 7056..7098, 8335..8457, 9315..9383, 9948..10157, 11222..11371, 11683..11744, 11815..11890, 12270..12326		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25021	Strand	+
Start	3838	End	12411
Name	OJ990930_19.9B12.C7.o2.np	Method	AAT/NAP
Start	5389	End	12149
GI	4582783	Score	2024
Exons	5389..5410, 5508..6510, 6823..6874, 8335..8457, 8555..8630, 8711..8895, 9038..9229, 9315..9383, 9945..10157, 10915..11040, 11222..11371, 11683..11744, 11815..11890, 11976..12149		
GI Descrip.	(AJ006752) starch synthase, isoform V [Vigna unguiculata]		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25021	Strand	+
Start	3838	End	12411
Name	OJ990930_19.9B12.C7.o3.gp	Method	AAT/GAP
Start	11817	End	12411
GI	34735_1.R1084	Score	941
Exons	11817..11890, 11976..12411		
GI Descrip.	'1661160 9.0e-12 (U74295) chlorophyll a/b binding protein [Oryza sativa]'		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25022	Strand	-
Start	49	End	2448
Name	OJ990930_19.9B12.C7.o1.gs	Method	GENSCAN
Start	49	End	2399
GI	none	Score	.72
Exons	49..142, 863..928, 1589..1746, 1767..2399		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25022	Strand	-
Start	49	End	2448
Name	OJ990930_19.9B12.C7.o1.gp	Method	AAT/GAP
Start	1193	End	1882
GI	89150_1.R1084	Score	1184
Exons	1193..1882		
GI Descrip.	'1361979/pir||A57478 2.0e-52 serine O-acetyltransferase (EC 2.3.1.30) - watermelon >gi_1350550_dbj_BAA12843_ (D85624) serine acetyltransferase [Citrullus lanatus] >gi_1841312_dbj_BAA08479_ (D49535) serine acetyltransferase. [Citrullus lanatus] >gi_2337772_dbj_BAA21827_ (AB006530) serine acetyltransferase [Citrullus lanatus]'		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25022	Strand	-
Start	49	End	2448
Name	OJ990930_19.9B12.C7.o1.np	Method	AAT/NAP
Start	1484	End	2347
GI	6601494	Score	1023
Exons	1484..2347		
GI Descrip.	(AF212156) serine acetyltransferase [Allium cepa]		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25022	Strand	-
Start	49	End	2448
Name	OJ990930_19.9B12.C7.o2.gp	Method	AAT/GAP
Start	1974	End	2448
GI	53087_1.R1084	Score	902
Exons	1974..2448		
GI Descrip.	'1361979/pir||A57478 3.0e-16 serine O-acetyltransferase (EC 2.3.1.30) - watermelon >gi_1350550_dbj_BAA12843_ (D85624) serine acetyltransferase [Citrullus lanatus] >gi_1841312_dbj_BAA08479_ (D49535) serine acetyltransferase. [Citrullus lanatus] >gi_2337772_dbj_BAA21827_ (AB006530) serine acetyltransferase [Citrullus lanatus]'		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o2.tc	Method	TBLASTX:Cress
Start	1478	End	2300
GI	none	Score	69
Exons	1478..1549, 1553..1648, 1572..1649, 1660..1719, 1664..1720, 1752..2300, 1753..1887, 1957..2031		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o3.tm	Method	TBLASTX:Maize
Start	1481	End	1977
GI	none	Score	65
Exons	1481..1555, 1481..1561, 1526..1648, 1526..1648, 1572..1649, 1660..1719, 1664..1720, 1685..1729, 1752..1976, 1753..1977		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o2.ts	Method	TBLASTX:Soybean
Start	1520	End	2279
GI	none	Score	41
Exons	1520..1591, 1556..1648, 1572..1649, 1660..1719, 1661..1720, 1723..1884, 1752..1811, 1788..2033, 1975..2034, 2091..2279		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o8.tm	Method	TBLASTX:Maize
Start	2143	End	2354
GI	none	Score	86
Exons	2143..2205, 2148..2354		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o4.tm	Method	TBLASTX:Maize
Start	6074	End	6510
GI	none	Score	137
Exons	6074..6277, 6119..6277, 6272..6505, 6282..6404, 6287..6490, 6289..6510		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o2.tm	Method	TBLASTX:Maize
Start	6820	End	9106
GI	none	Score	92
Exons	6820..6876, 6821..6877, 8332..8460, 8333..8461, 8370..8459, 8376..8465, 8380..8460, 8545..8631, 8549..8635, 8573..8632, 8709..8894, 8710..8895, 9031..9102, 9032..9106		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o3.tc	Method	TBLASTX:Cress
Start	8706	End	8910
GI	none	Score	325
Exons	8706..8897, 8707..8910, 8707..8898		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o3.ts	Method	TBLASTX:Soybean
Start	8709	End	9103
GI	none	Score	296
Exons	8709..8891, 8710..8895, 9031..9099, 9032..9103		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o4.tc	Method	TBLASTX:Cress
Start	9032	End	9190
GI	none	Score	218
Exons	9032..9190, 9037..9189		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o4.ts	Method	TBLASTX:Soybean
Start	9333	End	11732
GI	none	Score	68
Exons	9333..9380, 9940..10098, 9945..10160, 9947..10159, 10914..11036, 10914..11036, 10915..11040, 10936..11040, 11219..11377, 11224..11367, 11242..11382, 11674..11730, 11682..11732		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968

Name	OJ990930_19.9B12.C7.o5.tm	Method	TBLASTX:Maize
Start	9945	End	10176
GI	none	Score	290
Exons	9945..10160, 9946..10167, 9947..10162, 9949..10176		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o7.tm	Method	TBLASTX:Maize
Start	10270	End	10601
GI	none	Score	54
Exons	10270..10356, 10359..10601, 10360..10575		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o6.tm	Method	TBLASTX:Maize
Start	11221	End	12091
GI	none	Score	225
Exons	11221..11370, 11228..11377, 11228..11374, 11660..11740, 11664..11726, 11674..11751, 11680..11790, 11805..11894, 11834..11890, 11854..11907, 11973..12080, 11976..12083, 12020..12091, 12023..12091		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	13086	End	13863
GI	none	Score	306
Exons	13086..13154, 13098..13319, 13118..13750, 13367..13765, 13550..13756, 13756..13770, 13797..13832, 13816..13863		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o1.ts	Method	TBLASTX:Soybean
Start	13113	End	13747
GI	none	Score	254
Exons	13113..13322, 13118..13747, 13398..13463, 13503..13718		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o1.tc	Method	TBLASTX:Cress
Start	13118	End	13857
GI	none	Score	269
Exons	13118..13381, 13119..13322, 13382..13747, 13388..13747, 13816..13857		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o3.gs	Method	GENSCAN
Start	13118	End	13863
GI	none	Score	.57
Exons	13118..13863		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o3.np	Method	AAT/NAP
Start	13121	End	13913
GI	1661160	Score	1336
Exons	13121..13913		
GI Descrip.	(U74295) chlorophyll a/b binding protein [Oryza sativa]		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o1.tw	Method	TBLASTX:Wheat
Start	13127	End	13570
GI	none	Score	274
Exons	13127..13429, 13128..13322, 13367..13435, 13431..13508, 13433..13570, 13433..13570		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o2.tw	Method	TBLASTX:Wheat
Start	13586	End	13968
GI	none	Score	180
Exons	13586..13747, 13590..13718, 13592..13747, 13855..13968		

Seq. No.	11808	Seq. ID	OJ990930_19.9B12.C7
Gene No.	25023	Strand	-
Start	13118	End	13968
Name	OJ990930_19.9B12.C7.o4.gp	Method	AAT/GAP
Start	13691	End	13968
GI	700509	Score	505
Exons	13691..13968		
GI Descrip.	1661160 9.0e-12 (U74295) chlorophyll a/b binding protein [Oryza sativa]		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25024	Strand	+
Start	584	End	1889
Name	OJ990930_19.9B12.C8.o1.np	Method	AAT/NAP
Start	584	End	1889
GI	6815099	Score	80
Exons	584..637, 1756..1889		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25025	Strand	+
Start	4196	End	4933
Name	OJ990930_19.9B12.C8.o2.np	Method	AAT/NAP
Start	4196	End	4933
GI	5123547	Score	627
Exons	4196..4933		
GI Descrip.	(AL079344) putative protein [Arabidopsis thaliana]		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25026	Strand	+

Start	6861	End	9334
Name	OJ990930_19.9B12.C8.o3.np	Method	AAT/NAP
Start	6805	End	9334
GI	2499327	Score	678
Exons	6805..7225, 9103..9334		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 20 KD SUBUNIT PRECURSOR (COMPLEX I-20KD) (CI-20KD) gi|1084345|pir||S52286 NADH dehydrogenase (EC 1.6.99.3) - Arabidopsis thaliana gi|643090|emb|CAA58887.1| (X84078) NADH dehydrogenase [Arabidopsis thaliana]		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25026	Strand	+
Start	6861	End	9334
Name	OJ990930_19.9B12.C8.o2.gs	Method	GENSCAN
Start	6861	End	7310
GI	none	Score	.96
Exons	6861..7310		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25027	Strand	-
Start	4127	End	5216
Name	OJ990930_19.9B12.C8.o1.gp	Method	AAT/GAP
Start	4127	End	5216
GI	28017_1.R1084	Score	2062
Exons	4127..5216		
GI Descrip.	'5123547/emb|CAB45313.1| 6.0e-48 (AL079344) putative protein [Arabidopsis thaliana]'		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25027	Strand	-
Start	4127	End	5216
Name	OJ990930_19.9B12.C8.o1.tm	Method	TBLASTX:Maize
Start	4169	End	4665
GI	none	Score	518
Exons	4169..4573, 4186..4590, 4574..4615, 4624..4665, 4625..4663		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25027	Strand	-
Start	4127	End	5216
Name	OJ990930_19.9B12.C8.o1.ts	Method	TBLASTX:Soybean
Start	4196	End	4666
GI	none	Score	440
Exons	4196..4570, 4201..4236, 4292..4453, 4306..4557, 4580..4639, 4634..4666		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25027	Strand	-
Start	4127	End	5216
Name	OJ990930_19.9B12.C8.o1.tc	Method	TBLASTX:Cress
Start	4204	End	4569
GI	none	Score	421
Exons	4204..4239, 4205..4567, 4292..4435, 4306..4569		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25027	Strand	-
Start	4127	End	5216
Name	OJ990930_19.9B12.C8.o2.tw	Method	TBLASTX:Wheat

Start	4586	End	4870
GI	none	Score	46
Exons	4586..4621, 4625..4708, 4627..4707, 4670..4870, 4711..4863		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25027	Strand	-
Start	4127	End	5216
Name	OJ990930_19.9B12.C8.o3.ts	Method	TBLASTX:Soybean
Start	4711	End	4897
GI	none	Score	235
Exons	4711..4851, 4712..4882, 4784..4897		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25028	Strand	
Start	6986	End	9256
Name	OJ990930_19.9B12.C8.o2.tc	Method	TBLASTX:Cress
Start	6986	End	9256
GI	none	Score	405
Exons	6986..7225, 6987..7226, 9077..9256, 9100..9255		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25028	Strand	
Start	6986	End	9256
Name	OJ990930_19.9B12.C8.o2.tm	Method	TBLASTX:Maize
Start	6986	End	9256
GI	none	Score	417
Exons	6986..7225, 6987..7226, 9077..9256, 9100..9255		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25028	Strand	
Start	6986	End	9256
Name	OJ990930_19.9B12.C8.o2.ts	Method	TBLASTX:Soybean
Start	6986	End	7226
GI	none	Score	411
Exons	6986..7225, 6987..7226		

Seq. No.	11809	Seq. ID	OJ990930_19.9B12.C8
Gene No.	25028	Strand	
Start	6986	End	9256
Name	OJ990930_19.9B12.C8.o1.tw	Method	TBLASTX:Wheat
Start	7005	End	9252
GI	none	Score	207
Exons	7005..7220, 7070..7213, 9101..9154, 9115..9168, 9181..9252, 9206..9250		

Seq. No.	11810	Seq. ID	OJ990930_19.9B12.C10
Gene No.	25029	Strand	+
Start	1	End	662
Name	OJ990930_19.9B12.C10.o1.np	Method	AAT/NAP
Start	1	End	662
GI	6016871	Score	192
Exons	1..662		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11810	Seq. ID	OJ990930_19.9B12.C10
Gene No.	25029	Strand	+

Start	1	End	662
Name	OJ990930_19.9B12.C10.o1.gs	Method	GENSCAN
Start	156	End	616
GI	none	Score	.47
Exons	156..616		

Seq. No.	11810	Seq. ID	OJ990930_19.9B12.C10
Gene No.	25029	Strand	+
Start	1	End	662
Name	OJ990930_19.9B12.C10.o1.gp	Method	AAT/GAP
Start	206	End	503
GI	LIB3434-062-P1-K1-E7	Score	560
Exons	206..503		
GI Descrip.	'6016871/dbj|BAA85214.1| 2.0e-09 (AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	11810	Seq. ID	OJ990930_19.9B12.C10
Gene No.	25029	Strand	+
Start	1	End	662
Name	OJ990930_19.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	363	End	620
GI	none	Score	197
Exons	363..620, 395..619		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25030	Strand	+
Start	1	End	1235
Name	OJ990930_19.9B12.C11.o1.np	Method	AAT/NAP
Start	1	End	1235
GI	6069646	Score	816
Exons	1..22, 522..1235		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25031	Strand	+
Start	2105	End	2555
Name	OJ990930_19.9B12.C11.o2.gs	Method	GENSCAN
Start	2105	End	2555
GI	none	Score	.91
Exons	2105..2263, 2451..2555		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25032	Strand	+
Start	3235	End	5498
Name	OJ990930_19.9B12.C11.o3.gs	Method	GENSCAN
Start	3235	End	5498
GI	none	Score	.92
Exons	3235..3331, 3371..3417, 4064..4264, 4308..5498		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25033	Strand	+
Start	7906	End	10271

Name	OJ990930_19.9B12.C11.o4.gs	Method	GENSCAN
Start	7906	End	10271
GI	none	Score	.47
Exons	7906..9422, 9823..9898, 10005..10271		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25034	Strand	+
Start	14925	End	17102
Name	OJ990930_19.9B12.C11.o5.gs	Method	GENSCAN
Start	14925	End	17102
GI	none	Score	.92
Exons	14925..16416, 16735..17102		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25035	Strand	+
Start	19064	End	20587
Name	OJ990930_19.9B12.C11.o1.gp	Method	AAT/GAP
Start	18999	End	19467
GI	88736_1.R1084	Score	851
Exons	18999..19467		
GI Descrip.	'6016871/dbj|BAA85214.1| 2.0e-11 (AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25035	Strand	+
Start	19064	End	20587
Name	OJ990930_19.9B12.C11.o6.gs	Method	GENSCAN
Start	19064	End	20587
GI	none	Score	.94
Exons	19064..20587		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25036	Strand	+
Start	20505	End	20801
Name	OJ990930_19.9B12.C11.o2.gp	Method	AAT/GAP
Start	20505	End	20801
GI	3760102	Score	521
Exons	20505..20801		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25037	Strand	+
Start	22147	End	25008
Name	OJ990930_19.9B12.C11.o7.gs	Method	GENSCAN
Start	22147	End	24726
GI	none	Score	.45
Exons	22147..22197, 22202..22341, 23337..23543, 23613..24726		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25037	Strand	+
Start	22147	End	25008
Name	OJ990930_19.9B12.C11.o3.np	Method	AAT/NAP
Start	22575	End	25008
GI	6016871	Score	404
Exons	22575..22639, 23274..23641, 23692..24430, 24977..25008		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25038	Strand	-
Start	336	End	1737
Name	OJ990930_19.9B12.C11.o1.gs	Method	GENSCAN
Start	336	End	1737
GI	none	Score	.55
Exons	336..542, 548..684, 692..997, 1048..1258, 1657..1737		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-
Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o2.tm	Method	TBLASTX:Maize
Start	623	End	1242
GI	none	Score	95
Exons	623..748, 785..955, 786..977, 1020..1205, 1213..1242		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-
Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o2.tw	Method	TBLASTX:Wheat
Start	750	End	1109
GI	none	Score	166
Exons	750..953, 1077..1109		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-
Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o4.tm	Method	TBLASTX:Maize
Start	4383	End	23982
GI	none	Score	210
Exons	4383..4673, 4496..4657, 8296..8595, 8418..8585, 15273..15491, 15522..15611, 19457..19765, 19466..19624, 19579..19740, 23686..23859, 23701..23853, 23889..23966, 23890..23982		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-
Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o3.tm	Method	TBLASTX:Maize
Start	4908	End	24450
GI	none	Score	189
Exons	4908..5162, 4908..5141, 4910..5161, 8833..9090, 8874..9086, 15843..16103, 15845..16102, 19990..20121, 19991..20248, 20041..20226, 20042..20248, 24214..24450, 24216..24431		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-
Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o2.np	Method	AAT/NAP
Start	18941	End	21766
GI	5737814	Score	693
Exons	18941..18987, 20683..21215, 21435..21766		
GI Descrip.	(AF148772) ribulose-1,5-bisphosphate carboxylase/oxygenase [Georgeantha hexandra]		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-

Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	20850	End	21778
GI	none	Score	61
Exons	20850..20900, 20851..20901, 20878..20994, 20905..20994, 20906..20995, 20906..21013, 20991..21128, 20991..21128, 20993..21130, 21037..21129, 21129..21179, 21141..21179, 21151..21183, 21429..21620, 21436..21621, 21445..21627, 21450..21629, 21604..21651, 21623..21658, 21624..21653, 21625..21678, 21657..21680, 21666..21776, 21671..21775, 21680..21778		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-
Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o1.ts	Method	TBLASTX:Soybean
Start	20914	End	21778
GI	none	Score	54
Exons	20914..20994, 20921..20992, 20991..21128, 20993..21130, 21129..21179, 21151..21183, 21429..21620, 21431..21589, 21450..21620, 21604..21651, 21626..21652, 21631..21678, 21657..21680, 21666..21776, 21671..21778, 21671..21775, 21697..21777		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-
Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o1.tc	Method	TBLASTX:Cress
Start	21429	End	21778
GI	none	Score	106
Exons	21429..21620, 21434..21589, 21450..21620, 21604..21651, 21626..21652, 21628..21678, 21657..21680, 21658..21681, 21666..21776, 21671..21775, 21692..21778, 21694..21777		

Seq. No.	11811	Seq. ID	OJ990930_19.9B12.C11
Gene No.	25039	Strand	-
Start	18941	End	24450
Name	OJ990930_19.9B12.C11.o1.tw	Method	TBLASTX:Wheat
Start	21429	End	21793
GI	none	Score	139
Exons	21429..21620, 21443..21589, 21445..21627, 21450..21614, 21604..21651, 21616..21678, 21657..21680, 21658..21681, 21666..21776, 21671..21775, 21676..21777, 21682..21777, 21689..21793		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25040	Strand	+
Start	1805	End	12178
Name	OJ990930_19.9B12.C12.o1.np	Method	AAT/NAP
Start	1805	End	12178
GI	6016871	Score	429
Exons	1805..1892, 5259..5597, 5654..6798, 12141..12178		
GI Descrip.	(AP000570) EST C98565(E0414) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25040	Strand	+

Start	1805	End	12178
Name	OJ990930_19.9B12.C12.o3.gs	Method	GENSCAN
Start	5255	End	6778
GI	none	Score	.86
Exons	5255..6778		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25041	Strand	-
Start	325	End	2626
Name	OJ990930_19.9B12.C12.o1.gs	Method	GENSCAN
Start	325	End	2626
GI	none	Score	.46
Exons	325..419, 484..548, 1915..2135, 2174..2626		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25042	Strand	-
Start	3864	End	4790
Name	OJ990930_19.9B12.C12.o2.gs	Method	GENSCAN
Start	3864	End	4790
GI	none	Score	.7
Exons	3864..4081, 4706..4790		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25043	Strand	-
Start	8734	End	11857
Name	OJ990930_19.9B12.C12.o2.tm	Method	TBLASTX:Maize
Start	5657	End	5947
GI	none	Score	197
Exons	5657..5947, 5770..5931		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25043	Strand	-
Start	8734	End	11857
Name	OJ990930_19.9B12.C12.o3.tm	Method	TBLASTX:Maize
Start	6184	End	6451
GI	none	Score	191
Exons	6184..6450, 6185..6451		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25043	Strand	-
Start	8734	End	11857
Name	OJ990930_19.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	7410	End	11857
GI	none	Score	68
Exons	7410..7436, 7435..7536, 7548..7577, 7670..7681, 7685..7738, 7685..7732, 9263..9289, 9264..9290, 9265..9294, 9288..9314, 9289..9315, 9299..9382, 9310..9387, 9315..9386, 9383..9451, 9386..9430, 9443..9535, 9470..9523, 9480..9527, 9481..9528, 9591..9665, 9592..9666, 9623..9667, 9978..10034, 9980..10036, 10107..10184, 10118..10279, 10119..10280, 10121..10327, 11222..11260, 11259..11345, 11260..11334, 11419..11547, 11423..11536, 11423..11584, 11424..11585, 11433..11585, 11570..11617, 11601..11672, 11661..11768, 11667..11768, 11684..11857		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25043	Strand	-

Start	8734	End	11857
Name	OJ990930_19.9B12.C12.o4.gs	Method	GENSCAN
Start	8734	End	11804
GI	none	Score	.89
Exons	8734..8756, 9039..9232, 9471..9664, 9978..10034, 10120..10278, 11196..11334, 11420..11804		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25043	Strand	-
Start	8734	End	11857
Name	OJ990930_19.9B12.C12.o1.gp	Method	AAT/GAP
Start	9243	End	11760
GI	535_3.R1084	Score	2119
Exons	9243..9664, 9978..10034, 10120..10278, 11196..11334, 11420..11760		
GI Descrip.	'2245037/emb|CAB10456.1| 4.0e-21 (Z97342) nuclear antigen homolog [Arabidopsis thaliana]'		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25043	Strand	-
Start	8734	End	11857
Name	OJ990930_19.9B12.C12.o3.np	Method	AAT/NAP
Start	9476	End	11804
GI	6492266	Score	562
Exons	9476..9664, 9978..10034, 10120..10278, 11202..11334, 11420..11804		
GI Descrip.	(AF110228) nuclear RNA binding protein A [Spinacia oleracea]		

Seq. No.	11812	Seq. ID	OJ990930_19.9B12.C12
Gene No.	25043	Strand	-
Start	8734	End	11857
Name	OJ990930_19.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	9978	End	10276
GI	none	Score	108
Exons	9978..10019, 10113..10187, 10117..10215, 10118..10246, 10119..10247, 10214..10276		

Seq. No.	11813	Seq. ID	OJ990930_19.9B12.C13
Gene No.	25044	Strand	+
Start	275	End	3320
Name	OJ990930_19.9B12.C13.o1.gs	Method	GENSCAN
Start	275	End	3320
GI	none	Score	.42
Exons	275..414, 3084..3320		

Seq. No.	11813	Seq. ID	OJ990930_19.9B12.C13
Gene No.	25045	Strand	-
Start	2222	End	3621
Name	OJ990930_19.9B12.C13.o1.np	Method	AAT/NAP
Start	2222	End	3621
GI	119711	Score	74
Exons	2222..2269, 3283..3621		
GI Descrip.	EXTENSIN PRECURSOR gi|82047|pir||A24354 extensin precursor - carrot gi|18343|emb|CAA26632| (X02873) put. precursor [Daucus carota] gi|224686|prf||1111211A extensin [Daucus carota]		

Seq. No.	11814	Seq. ID	OJ990930_19.9B12.C14

Gene No.	25046	Strand	+
Start	469	End	1742
Name	OJ990930_19.9B12.C14.o1.gs	Method	GENSCAN
Start	469	End	1705
GI	none	Score	.68
Exons	469..532, 636..721, 1586..1705		

Seq. No.	11814	Seq. ID	OJ990930_19.9B12.C14
Gene No.	25046	Strand	+
Start	469	End	1742
Name	OJ990930_19.9B12.C14.o1.np	Method	AAT/NAP
Start	551	End	1742
GI	5123548	Score	282
Exons	551..721, 1002..1126, 1597..1742		
GI Descrip.	(AL079344) UDP-N-acetylglucosamine O-acyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	11814	Seq. ID	OJ990930_19.9B12.C14
Gene No.	25046	Strand	+
Start	469	End	1742
Name	OJ990930_19.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	999	End	1705
GI	none	Score	89
Exons	999..1121, 1000..1119, 1000..1122, 1001..1135, 1004..1135, 1005..1139, 1594..1674, 1597..1671, 1622..1675, 1676..1705		

Seq. No.	11815	Seq. ID	OJ990930_19.9B12.C15
Gene No.	25047	Strand	+
Start	1	End	1261
Name	OJ990930_19.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	1261
GI	5123548	Score	332
Exons	1..100, 185..268, 929..1033, 1235..1261		
GI Descrip.	(AL079344) UDP-N-acetylglucosamine O-acyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	11816	Seq. ID	OJ990930_19.9B12.C16
Gene No.	25048	Strand	+
Start	1009	End	1541
Name	OJ990930_19.9B12.C16.o1.gp	Method	AAT/GAP
Start	1009	End	1541
GI	none	Score	920
Exons	1009..1541		

Seq. No.	11816	Seq. ID	OJ990930_19.9B12.C16
Gene No.	25049	Strand	-
Start	5063	End	5533
Name	OJ990930_19.9B12.C16.o1.np	Method	AAT/NAP
Start	5063	End	5533
GI	6063557	Score	83
Exons	5063..5203, 5364..5533		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25050	Strand	+
Start	1829	End	8174
Name	OJ990930_19.9B12.C17.o1.tm	Method	TBLASTX:Maize

Start	1823	End	6808
GI	none	Score	198
Exons	1823..1960, 1828..1959, 1831..1971, 2280..2420, 2339..2419, 2522..2605, 2522..2602, 2523..2612, 6749..6808		

Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25050	Strand	+
Start	1829	End	8174
Name	OJ990930_19.9B12.C17.o1.ts	Method	TBLASTX:Soybean
Start	1828	End	6808
GI	none	Score	197
Exons	1828..1968, 1829..1972, 2283..2420, 2339..2419, 2522..2599, 2523..2612, 6749..6808		

Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25050	Strand	+
Start	1829	End	8174
Name	OJ990930_19.9B12.C17.o1.tw	Method	TBLASTX:Wheat
Start	1828	End	6793
GI	none	Score	199
Exons	1828..1965, 1829..1972, 2286..2420, 2339..2419, 2522..2596, 2522..2596, 2523..2597, 6749..6793		

Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25050	Strand	+
Start	1829	End	8174
Name	OJ990930_19.9B12.C17.o2.tc	Method	TBLASTX:Cress
Start	1828	End	6808
GI	none	Score	187
Exons	1828..1968, 1829..1972, 2286..2420, 2339..2413, 2523..2612, 2525..2602, 6749..6808		

Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25050	Strand	+
Start	1829	End	8174
Name	OJ990930_19.9B12.C17.o1.gs	Method	GENSCAN
Start	1829	End	3155
GI	none	Score	.98
Exons	1829..1964, 2179..2202, 2287..2416, 2525..3155		

Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25050	Strand	+
Start	1829	End	8174
Name	OJ990930_19.9B12.C17.o1.np	Method	AAT/NAP
Start	1829	End	4772
GI	4883605	Score	432
Exons	1829..1964, 2287..2416, 2525..2621, 4705..4772		
GI Descrip.	(AC006922) putative MYB family transcription factor [Arabidopsis thaliana]		

Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25050	Strand	+
Start	1829	End	8174
Name	OJ990930_19.9B12.C17.o2.np	Method	AAT/NAP
Start	4572	End	6648
GI	6630734	Score	72
Exons	4572..4745, 6619..6648		

GI Descrip.	(AL132958) caffeic acid O-methyltransferase-like protein [Arabidopsis thaliana]		
Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25050	Strand	+
Start	1829	End	8174
Name	OJ990930_19.9B12.C17.o3.np	Method	AAT/NAP
Start	5455	End	8174
GI	2605617	Score	95
Exons	5455..5487, 6737..6868, 8123..8174		
GI Descrip.	(D88617) OSMYB1 [Oryza sativa]		
Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25051	Strand	
Start	11323	End	11868
Name	OJ990930_19.9B12.C17.o1.tc	Method	TBLASTX:Cress
Start	11323	End	11868
GI	none	Score	304
Exons	11323..11868		
Seq. No.	11817	Seq. ID	OJ990930_19.9B12.C17
Gene No.	25051	Strand	
Start	11323	End	11868
Name	OJ990930_19.9B12.C17.o2.ts	Method	TBLASTX:Soybean
Start	11589	End	11844
GI	none	Score	186
Exons	11589..11843, 11590..11844		
Seq. No.	11818	Seq. ID	OJ990930_19.9B12.C18
Gene No.	25052	Strand	-
Start	1	End	325
Name	OJ990930_19.9B12.C18.o1.gp	Method	AAT/GAP
Start	1	End	325
GI	89150_1.R1084	Score	650
Exons	1..325		
GI Descrip.	'1361979/pir||A57478 2.0e-52 serine O-acetyltransferase (EC 2.3.1.30) - watermelon >gi_1350550_dbj_BAA12843_ (D85624) serine acetyltransferase [Citrullus lanatus] >gi_1841312_dbj_BAA08479_ (D49535) serine acetyltransferase. [Citrullus lanatus] >gi_2337772_dbj_BAA21827_ (AB006530) serine acetyltransferase [Citrullus lanatus]'		
Seq. No.	11818	Seq. ID	OJ990930_19.9B12.C18
Gene No.	25052	Strand	-
Start	1	End	325
Name	OJ990930_19.9B12.C18.o1.np	Method	AAT/NAP
Start	220	End	325
GI	1657233	Score	113
Exons	220..325		
GI Descrip.	(D88529) serine acetyltransferase [Spinacia oleracea] gi|1657235|dbj|BAA13635| (D88530) serine acetyltransferase [Spinacia oleracea]		
Seq. No.	11819	Seq. ID	OJ990630_07.9B22.C1
Gene No.	25053	Strand	-
Start	25	End	285
Name	OJ990630_07.9B22.C1.o1.gs	Method	GENSCAN

Start	25	End	285
GI	none	Score	.91
Exons	25..159, 229..285		

Seq. No.	11820	Seq. ID	OJ990630_07.9B22.C3
Gene No.	25054	Strand	+
Start	1	End	893
Name	OJ990630_07.9B22.C3.o1.np	Method	AAT/NAP
Start	1	End	419
GI	6721515	Score	225
Exons	1..419		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	11820	Seq. ID	OJ990630_07.9B22.C3
Gene No.	25054	Strand	+
Start	1	End	893
Name	OJ990630_07.9B22.C3.o1.gs	Method	GENSCAN
Start	3	End	893
GI	none	Score	.76
Exons	3..360, 727..893		

Seq. No.	11820	Seq. ID	OJ990630_07.9B22.C3
Gene No.	25055	Strand	-
Start	1555	End	1842
Name	OJ990630_07.9B22.C3.o1.tm	Method	TBLASTX:Maize
Start	72	End	392
GI	none	Score	102
Exons	72..194, 215..391, 219..392		

Seq. No.	11820	Seq. ID	OJ990630_07.9B22.C3
Gene No.	25055	Strand	-
Start	1555	End	1842
Name	OJ990630_07.9B22.C3.o2.gs	Method	GENSCAN
Start	1555	End	1842
GI	none	Score	.47
Exons	1555..1842		

Seq. No.	11821	Seq. ID	OJ990630_07.9B22.C4
Gene No.	25056	Strand	+
Start	608	End	661
Name	OJ990630_07.9B22.C4.o1.gs	Method	GENSCAN
Start	608	End	661
GI	none	Score	.42
Exons	608..661		

Seq. No.	11821	Seq. ID	OJ990630_07.9B22.C4
Gene No.	25057	Strand	-
Start	3235	End	3369
Name	OJ990630_07.9B22.C4.o2.gs	Method	GENSCAN
Start	3235	End	3369
GI	none	Score	.52
Exons	3235..3369		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25058	Strand	+
Start	103	End	1458
Name	OJ990630_07.9B22.C5.o1.gs	Method	GENSCAN

Start	103	End	1458
GI	none	Score	.4
Exons	103..253, 1270..1458		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o2.gs	Method	GENSCAN
Start	2285	End	7363
GI	none	Score	.47
Exons	2285..3394, 3679..3936, 4468..4581, 5018..7363		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o1.tm	Method	TBLASTX:Maize
Start	4877	End	5584
GI	none	Score	208
Exons	4877..5236, 4880..5584, 4887..5576, 5131..5577		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o1.np	Method	AAT/NAP
Start	4910	End	7449
GI	6630685	Score	4224
Exons	4910..7449		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o2.ts	Method	TBLASTX:Soybean
Start	4925	End	5566
GI	none	Score	103
Exons	4925..5158, 5177..5566, 5178..5342, 5183..5377		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o2.tc	Method	TBLASTX:Cress
Start	4928	End	5383
GI	none	Score	65
Exons	4928..5140, 5159..5293, 5297..5383		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o4.tw	Method	TBLASTX:Wheat
Start	4961	End	5428
GI	none	Score	123
Exons	4961..5149, 5168..5428		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449

Name	OJ990630_07.9B22.C5.o3.tm	Method	TBLASTX:Maize
Start	5699	End	6134
GI	none	Score	464
Exons	5699..6133, 5700..6134		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o1.ts	Method	TBLASTX:Soybean
Start	5937	End	6544
GI	5509260	Score	296
Exons	5937..6320, 5939..6319, 6314..6454, 6329..6544, 6492..6542		
GI Descrip.	-		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o1.tw	Method	TBLASTX:Wheat
Start	5957	End	6419
GI	none	Score	286
Exons	5957..6298, 5964..6296, 6094..6300, 6153..6308, 6300..6326, 6329..6403, 6330..6419		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o3.tc	Method	TBLASTX:Cress
Start	6056	End	6337
GI	none	Score	91
Exons	6056..6337, 6075..6335		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o4.tm	Method	TBLASTX:Maize
Start	6252	End	6571
GI	none	Score	360
Exons	6252..6569, 6254..6571		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o2.tm	Method	TBLASTX:Maize
Start	6578	End	7441
GI	none	Score	45
Exons	6578..7378, 6660..6701, 6705..7379, 7388..7441, 7395..7436		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o3.tw	Method	TBLASTX:Wheat
Start	6683	End	7027
GI	none	Score	45
Exons	6683..6763, 6683..6763, 6763..6828, 6774..6938, 6785..6949, 6938..7027, 6949..7017, 6951..7025		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5

Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o3.ts	Method	TBLASTX:Soybean
Start	6809	End	7270
GI	none	Score	113
Exons	6809..7270, 6893..7246, 6960..7250		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o1.tc	Method	TBLASTX:Cress
Start	6812	End	7234
GI	none	Score	220
Exons	6812..7234		

Seq. No.	11822	Seq. ID	OJ990630_07.9B22.C5
Gene No.	25059	Strand	-
Start	2285	End	7449
Name	OJ990630_07.9B22.C5.o2.tw	Method	TBLASTX:Wheat
Start	7115	End	7411
GI	none	Score	173
Exons	7115..7411, 7116..7391		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25060	Strand	+
Start	2811	End	8800
Name	OJ990630_07.9B22.C6.o2.gs	Method	GENSCAN
Start	2811	End	8800
GI	none	Score	.54
Exons	2811..2966, 3020..3726, 3744..3880, 3989..4605, 4671..5399, 5463..6854, 6917..8800		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25060	Strand	+
Start	2811	End	8800
Name	OJ990630_07.9B22.C6.o2.np	Method	AAT/NAP
Start	3544	End	8797
GI	6498441	Score	6977
Exons	3544..4605, 4936..5399, 5463..5956, 6131..6854, 7025..8422, 8516..8797		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25061	Strand	-
Start	1	End	1781
Name	OJ990630_07.9B22.C6.o1.np	Method	AAT/NAP
Start	1	End	1362
GI	6907089	Score	1977
Exons	1..1362		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25061	Strand	-
Start	1	End	1781
Name	OJ990630_07.9B22.C6.o1.gs	Method	GENSCAN

Start	261	End	1781
GI	none	Score	.75
Exons	261..731, 747..1381, 1552..1781		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o3.tm	Method	TBLASTX:Maize
Start	3733	End	3981
GI	none	Score	194
Exons	3733..3981, 3735..3980		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o5.tw	Method	TBLASTX:Wheat
Start	3745	End	4083
GI	none	Score	117
Exons	3745..3843, 3762..3842, 3810..4049, 3826..4083		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o2.tw	Method	TBLASTX:Wheat
Start	4820	End	5591
GI	none	Score	397
Exons	4820..4993, 4821..5306, 5015..5275, 5394..5591, 5394..5576, 5447..5590		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o4.tm	Method	TBLASTX:Maize
Start	5439	End	5774
GI	none	Score	53
Exons	5439..5528, 5541..5774, 5549..5773		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o7.tw	Method	TBLASTX:Wheat
Start	5592	End	5774
GI	none	Score	213
Exons	5592..5774, 5594..5773		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o2.tm	Method	TBLASTX:Maize
Start	5786	End	6170
GI	none	Score	365
Exons	5786..6151, 5787..6170		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o1.tw	Method	TBLASTX:Wheat

Start	5843	End	6238
GI	none	Score	453
Exons	5843..6238, 5844..6227, 5882..6235		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o1.ts	Method	TBLASTX:Soybean
Start	5922	End	6227
GI	none	Score	233
Exons	5922..6227, 5939..6082		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o4.tw	Method	TBLASTX:Wheat
Start	6726	End	7159
GI	none	Score	131
Exons	6726..6863, 6785..6862, 6862..6966, 6863..6949, 7010..7159, 7021..7158		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o2.ts	Method	TBLASTX:Soybean
Start	6866	End	7414
GI	5666795	Score	68
Exons	6866..6946, 7022..7159, 7214..7414		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o8.tw	Method	TBLASTX:Wheat
Start	7162	End	7474
GI	none	Score	192
Exons	7162..7338, 7214..7474		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o1.tm	Method	TBLASTX:Maize
Start	7667	End	7999
GI	none	Score	369
Exons	7667..7990, 7711..7989, 7787..7999		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o3.tw	Method	TBLASTX:Wheat
Start	7804	End	8185
GI	none	Score	375
Exons	7804..8154, 7805..8185		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859

Name	OJ990630_07.9B22.C6.o6.tw	Method	TBLASTX:Wheat
Start	8186	End	8788
GI	none	Score	254
Exons	8186..8470, 8191..8475, 8662..8784, 8663..8788		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o5.tm	Method	TBLASTX:Maize
Start	8657	End	8800
GI	none	Score	184
Exons	8657..8800, 8662..8796		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o3.gs	Method	GENSCAN
Start	9426	End	9758
GI	none	Score	.94
Exons	9426..9758		

Seq. No.	11823	Seq. ID	OJ990630_07.9B22.C6
Gene No.	25062	Strand	-
Start	9426	End	9859
Name	OJ990630_07.9B22.C6.o3.np	Method	AAT/NAP
Start	9429	End	9859
GI	6539586	Score	630
Exons	9429..9859		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	11824	Seq. ID	OJ990630_07.9B22.C7
Gene No.	25063	Strand	-
Start	1	End	990
Name	OJ990630_07.9B22.C7.o1.np	Method	AAT/NAP
Start	1	End	990
GI	6907089	Score	1170
Exons	1..990		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11824	Seq. ID	OJ990630_07.9B22.C7
Gene No.	25063	Strand	-
Start	1	End	990
Name	OJ990630_07.9B22.C7.o1.gs	Method	GENSCAN
Start	104	End	736
GI	none	Score	.6
Exons	104..736		

Seq. No.	11825	Seq. ID	OJ990630_07.9B22.C9
Gene No.	25064	Strand	+
Start	1	End	1208
Name	OJ990630_07.9B22.C9.o1.np	Method	AAT/NAP
Start	1	End	1208
GI	2943742	Score	159
Exons	1..32, 876..1208		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	11826	Seq. ID	OJ990630_07.9B22.C10

Gene No.	25065	Strand	+
Start	514	End	1550
Name	OJ990630_07.9B22.C10.o1.np	Method	AAT/NAP
Start	514	End	1550
GI	3645899	Score	771
Exons	514..1159, 1447..1550		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	11826	Seq. ID	OJ990630_07.9B22.C10
Gene No.	25066	Strand	-
Start	1293	End	1550
Name	OJ990630_07.9B22.C10.o2.tm	Method	TBLASTX:Maize
Start	425	End	765
GI	none	Score	98
Exons	425..499, 426..503, 509..718, 511..750, 523..765, 528..764		

Seq. No.	11826	Seq. ID	OJ990630_07.9B22.C10
Gene No.	25066	Strand	-
Start	1293	End	1550
Name	OJ990630_07.9B22.C10.o2.tw	Method	TBLASTX:Wheat
Start	544	End	774
GI	none	Score	211
Exons	544..774, 544..585, 630..758		

Seq. No.	11826	Seq. ID	OJ990630_07.9B22.C10
Gene No.	25066	Strand	-
Start	1293	End	1550
Name	OJ990630_07.9B22.C10.o1.tm	Method	TBLASTX:Maize
Start	766	End	1161
GI	none	Score	88
Exons	766..885, 774..881, 885..1154, 891..1148, 892..1155, 895..1161		

Seq. No.	11826	Seq. ID	OJ990630_07.9B22.C10
Gene No.	25066	Strand	-
Start	1293	End	1550
Name	OJ990630_07.9B22.C10.o1.tw	Method	TBLASTX:Wheat
Start	933	End	1158
GI	none	Score	266
Exons	933..1154, 934..1158		

Seq. No.	11826	Seq. ID	OJ990630_07.9B22.C10
Gene No.	25066	Strand	-
Start	1293	End	1550
Name	OJ990630_07.9B22.C10.o2.np	Method	AAT/NAP
Start	1293	End	1550
GI	5042454	Score	80
Exons	1293..1349, 1471..1550		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11827	Seq. ID	OJ990630_07.9B22.C11
Gene No.	25067	Strand	-
Start	1	End	1800
Name	OJ990630_07.9B22.C11.o1.np	Method	AAT/NAP
Start	1	End	1800
GI	4895171	Score	148
Exons	1..36, 1303..1800		
GI Descrip.	(AC007662) putative retroelement pol polyprotein [Arabidopsis		

thaliana]

Seq. No.	11827	Seq. ID	OJ990630_07.9B22.C11
Gene No.	25067	Strand	-
Start	1	End	1800
Name	OJ990630_07.9B22.C11.o1.gs	Method	GENSCAN
Start	690	End	1716
GI	none	Score	.49
Exons	690..766, 1128..1233, 1238..1411, 1487..1716		

Seq. No.	11828	Seq. ID	OJ990630_07.9B22.C12
Gene No.	25068	Strand	-
Start	367	End	1545
Name	OJ990630_07.9B22.C12.o1.np	Method	AAT/NAP
Start	367	End	1545
GI	2792210	Score	616
Exons	367..1545		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	11828	Seq. ID	OJ990630_07.9B22.C12
Gene No.	25068	Strand	-
Start	367	End	1545
Name	OJ990630_07.9B22.C12.o1.ts	Method	TBLASTX:Soybean
Start	415	End	871
GI	none	Score	142
Exons	415..510, 505..687, 674..871		

Seq. No.	11828	Seq. ID	OJ990630_07.9B22.C12
Gene No.	25068	Strand	-
Start	367	End	1545
Name	OJ990630_07.9B22.C12.o1.tm	Method	TBLASTX:Maize
Start	1044	End	1380
GI	none	Score	81
Exons	1044..1166, 1051..1164, 1227..1334, 1324..1380		

Seq. No.	11829	Seq. ID	OJ990630_07.9B22.C13
Gene No.	25069	Strand	+
Start	861	End	5158
Name	OJ990630_07.9B22.C13.o1.np	Method	AAT/NAP
Start	861	End	2978
GI	5257280	Score	97
Exons	861..1005, 2811..2978		
GI Descrip.	(AP000364) Similar to neurofilament triplet M protein. (P07197) [Oryza sativa]		

Seq. No.	11829	Seq. ID	OJ990630_07.9B22.C13
Gene No.	25069	Strand	+
Start	861	End	5158
Name	OJ990630_07.9B22.C13.o2.gs	Method	GENSCAN
Start	2426	End	5158
GI	none	Score	.47
Exons	2426..2566, 2832..3091, 5023..5158		

Seq. No.	11830	Seq. ID	OJ990630_07.9B22.C14
Gene No.	25070	Strand	+
Start	1223	End	2939
Name	OJ990630_07.9B22.C14.o1.gs	Method	GENSCAN

Start	1223	End	2916
GI	none	Score	.55
Exons	1223..1345, 1475..1746, 2582..2916		

Seq. No.	11830	Seq. ID	OJ990630_07.9B22.C14
Gene No.	25070	Strand	+
Start	1223	End	2939
Name	OJ990630_07.9B22.C14.o1.gp	Method	AAT/GAP
Start	2499	End	2849
GI	73134_1.R1084	Score	674
Exons	2499..2849		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	11830	Seq. ID	OJ990630_07.9B22.C14
Gene No.	25070	Strand	+
Start	1223	End	2939
Name	OJ990630_07.9B22.C14.o1.np	Method	AAT/NAP
Start	2605	End	2939
GI	6730740	Score	134
Exons	2605..2834, 2862..2939		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	11830	Seq. ID	OJ990630_07.9B22.C14
Gene No.	25071	Strand	+
Start	2850	End	2939
Name	OJ990630_07.9B22.C14.o1.tm	Method	TBLASTX:Maize
Start	2607	End	2931
GI	none	Score	269
Exons	2607..2756, 2608..2793, 2857..2931, 2859..2930		

Seq. No.	11830	Seq. ID	OJ990630_07.9B22.C14
Gene No.	25071	Strand	+
Start	2850	End	2939
Name	OJ990630_07.9B22.C14.o2.gp	Method	AAT/GAP
Start	2850	End	2939
GI	none	Score	176
Exons	2850..2939		

Seq. No.	11831	Seq. ID	OJ990630_07.9B22.C15
Gene No.	25072	Strand	+
Start	3357	End	5554
Name	OJ990630_07.9B22.C15.o2.gs	Method	GENSCAN
Start	3357	End	5554
GI	none	Score	.52
Exons	3357..3376, 3893..3955, 3987..4203, 4541..4629, 4855..4931, 5538..5554		

Seq. No.	11831	Seq. ID	OJ990630_07.9B22.C15
Gene No.	25073	Strand	-
Start	21	End	1950
Name	OJ990630_07.9B22.C15.o1.gp	Method	AAT/GAP
Start	21	End	441
GI	none	Score	821
Exons	21..441		

Seq. No.	11831	Seq. ID	OJ990630_07.9B22.C15
Gene No.	25073	Strand	-
Start	21	End	1950
Name	OJ990630_07.9B22.C15.o1.gs	Method	GENSCAN
Start	63	End	1950
GI	none	Score	.7
Exons	63..147, 430..720, 1184..1381, 1531..1659, 1888..1950		

Seq. No.	11832	Seq. ID	OJ990630_07.9B22.C16
Gene No.	25074	Strand	-
Start	41	End	1093
Name	OJ990630_07.9B22.C16.o1.gs	Method	GENSCAN
Start	41	End	1093
GI	none	Score	.64
Exons	41..72, 541..628, 714..753, 809..1093		

Seq. No.	11833	Seq. ID	OJ990630_07.9B22.C17
Gene No.	25075	Strand	-
Start	1	End	653
Name	OJ990630_07.9B22.C17.o1.np	Method	AAT/NAP
Start	1	End	653
GI	479357	Score	479
Exons	1..653		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	11833	Seq. ID	OJ990630_07.9B22.C17
Gene No.	25075	Strand	-
Start	1	End	653
Name	OJ990630_07.9B22.C17.o1.tm	Method	TBLASTX:Maize
Start	20	End	367
GI	none	Score	282
Exons	20..367, 24..362		

Seq. No.	11833	Seq. ID	OJ990630_07.9B22.C17
Gene No.	25075	Strand	-
Start	1	End	653
Name	OJ990630_07.9B22.C17.o2.tm	Method	TBLASTX:Maize
Start	371	End	640
GI	none	Score	53
Exons	371..526, 371..640, 429..635		

Seq. No.	11834	Seq. ID	OJ990630_07.9B22.C18
Gene No.	25076	Strand	+
Start	719	End	1738
Name	OJ990630_07.9B22.C18.o1.gs	Method	GENSCAN
Start	719	End	1738
GI	none	Score	.55
Exons	719..1358, 1662..1738		

Seq. No.	11834	Seq. ID	OJ990630_07.9B22.C18
Gene No.	25077	Strand	-
Start	788	End	1222
Name	OJ990630_07.9B22.C18.o1.np	Method	AAT/NAP
Start	788	End	1222
GI	4680185	Score	526
Exons	788..1222		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	11834	Seq. ID	OJ990630_07.9B22.C18
Gene No.	25078	Strand	-
Start	2100	End	2218
Name	OJ990630_07.9B22.C18.o2.np	Method	AAT/NAP
Start	2100	End	2218
GI	4680186	Score	178
Exons	2100..2218		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11835	Seq. ID	OJ990630_07.9B22.C19
Gene No.	25079	Strand	+
Start	799	End	936
Name	OJ990630_07.9B22.C19.o1.gs	Method	GENSCAN
Start	799	End	936
GI	none	Score	.71
Exons	799..936		

Seq. No.	11836	Seq. ID	OJ990630_07.9B22.C20
Gene No.	25080	Strand	+
Start	1	End	1308
Name	OJ990630_07.9B22.C20.o1.np	Method	AAT/NAP
Start	1	End	1308
GI	4234953	Score	140
Exons	1..356, 1267..1308		
GI Descrip.	(AF098970) NBS-LRR-like protein cD7 [Phaseolus vulgaris]		

Seq. No.	11836	Seq. ID	OJ990630_07.9B22.C20
Gene No.	25080	Strand	+
Start	1	End	1308
Name	OJ990630_07.9B22.C20.o1.gs	Method	GENSCAN
Start	615	End	1259
GI	none	Score	.54
Exons	615..1259		

Seq. No.	11837	Seq. ID	OJ990630_07.9B22.C22
Gene No.	25081	Strand	-
Start	68	End	3585
Name	OJ990630_07.9B22.C22.o1.gs	Method	GENSCAN
Start	68	End	3585
GI	none	Score	.71
Exons	68..193, 1254..1400, 1686..1733, 2948..3052, 3134..3261, 3407..3585		

Seq. No.	11837	Seq. ID	OJ990630_07.9B22.C22
Gene No.	25081	Strand	-
Start	68	End	3585
Name	OJ990630_07.9B22.C22.o1.gp	Method	AAT/GAP
Start	1494	End	3585
GI	34661_1.R1084	Score	1183
Exons	1494..1733, 2918..3019, 3134..3261, 3407..3585		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	11837	Seq. ID	OJ990630_07.9B22.C22
Gene No.	25081	Strand	-

Start	68	End	3585
Name	OJ990630_07.9B22.C22.o1.tm	Method	TBLASTX:Maize
Start	1632	End	3585
GI	none	Score	154
Exons	1632..1730, 1636..1764, 2918..3040, 2919..3020, 3128..3265, 3131..3268, 3132..3266, 3139..3267, 3407..3580, 3408..3584, 3409..3585, 3472..3585		

Seq. No.	11837	Seq. ID	OJ990630_07.9B22.C22
Gene No.	25081	Strand	-
Start	68	End	3585
Name	OJ990630_07.9B22.C22.o1.np	Method	AAT/NAP
Start	1638	End	3585
GI	4584541	Score	376
Exons	1638..1733, 2918..3019, 3134..3261, 3407..3585		
GI Descrip.	(AL049608) 3-hydroxyisobutyryl-coenzyme A hydrolase-like protein [Arabidopsis thaliana]		

Seq. No.	11838	Seq. ID	OJ990630_07.9B22.C23
Gene No.	25082	Strand	-
Start	1	End	3837
Name	OJ990630_07.9B22.C23.o1.np	Method	AAT/NAP
Start	1	End	3819
GI	4584541	Score	560
Exons	1..25, 694..802, 910..1044, 2641..2705, 2830..2931, 3714..3819		
GI Descrip.	(AL049608) 3-hydroxyisobutyryl-coenzyme A hydrolase-like protein [Arabidopsis thaliana]		

Seq. No.	11838	Seq. ID	OJ990630_07.9B22.C23
Gene No.	25082	Strand	-
Start	1	End	3837
Name	OJ990630_07.9B22.C23.o1.gs	Method	GENSCAN
Start	87	End	1123
GI	none	Score	.61
Exons	87..232, 706..802, 1064..1123		

Seq. No.	11838	Seq. ID	OJ990630_07.9B22.C23
Gene No.	25082	Strand	-
Start	1	End	3837
Name	OJ990630_07.9B22.C23.o1.tm	Method	TBLASTX:Maize
Start	549	End	3835
GI	none	Score	103
Exons	549..599, 685..807, 685..786, 705..803, 737..820, 901..1047, 911..1045, 2632..2712, 2633..2710, 2828..2941, 2829..2933, 2832..2942, 2834..2941, 3715..3834, 3716..3835		

Seq. No.	11838	Seq. ID	OJ990630_07.9B22.C23
Gene No.	25082	Strand	-
Start	1	End	3837
Name	OJ990630_07.9B22.C23.o1.gp	Method	AAT/GAP
Start	705	End	807
GI	34661_1.R1084	Score	171
Exons	705..807		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	11838	Seq. ID	OJ990630_07.9B22.C23

Gene No.	25082	Strand	-
Start	1	End	3837
Name	OJ990630_07.9B22.C23.o1.ts	Method	TBLASTX:Soybean
Start	737	End	3802
GI	none	Score	91
Exons	737..811, 753..806, 901..1047, 920..1045, 922..1047, 2686..2709, 2828..2941, 2829..2933, 3715..3801, 3716..3802		

Seq. No.	11838	Seq. ID	OJ990630_07.9B22.C23
Gene No.	25082	Strand	-
Start	1	End	3837
Name	OJ990630_07.9B22.C23.o1.tc	Method	TBLASTX:Cress
Start	976	End	3834
GI	none	Score	103
Exons	976..1047, 2632..2709, 2633..2710, 2633..2710, 2640..2711, 2828..2941, 2829..2933, 2855..2941, 3715..3834, 3716..3802		

Seq. No.	11838	Seq. ID	OJ990630_07.9B22.C23
Gene No.	25082	Strand	-
Start	1	End	3837
Name	OJ990630_07.9B22.C23.o2.gp	Method	AAT/GAP
Start	2654	End	3837
GI	26677_1.R1084	Score	512
Exons	2654..2705, 2830..2931, 3714..3837		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	11838	Seq. ID	OJ990630_07.9B22.C23
Gene No.	25082	Strand	-
Start	1	End	3837
Name	OJ990630_07.9B22.C23.o2.gs	Method	GENSCAN
Start	2801	End	3819
GI	none	Score	.75
Exons	2801..2931, 3714..3819		

Seq. No.	11839	Seq. ID	OJ990630_07.9B22.C24
Gene No.	25083	Strand	+
Start	1659	End	5076
Name	OJ990630_07.9B22.C24.o1.gs	Method	GENSCAN
Start	1659	End	5076
GI	none	Score	.73
Exons	1659..1672, 4809..5076		

Seq. No.	11839	Seq. ID	OJ990630_07.9B22.C24
Gene No.	25084	Strand	+
Start	8133	End	9213
Name	OJ990630_07.9B22.C24.o1.np	Method	AAT/NAP
Start	8115	End	9213
GI	2149127	Score	519
Exons	8115..9213		
GI Descrip.	(U81293) UDP-glucose:indole-3-acetate beta-D-glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	11839	Seq. ID	OJ990630_07.9B22.C24
Gene No.	25084	Strand	+
Start	8133	End	9213
Name	OJ990630_07.9B22.C24.o2.gs	Method	GENSCAN

Start	8133	End	9194
GI	none	Score	.49
Exons	8133..9194		

Seq. No.	11839	Seq. ID	OJ990630_07.9B22.C24
Gene No.	25084	Strand	+
Start	8133	End	9213
Name	OJ990630_07.9B22.C24.o1.tc	Method	TBLASTX:Cress
Start	8150	End	9212
GI	none	Score	80
Exons	8150..8191, 8151..8282, 8391..8714, 8483..8701, 8781..8852, 8931..9074, 8934..9074, 9159..9212		

Seq. No.	11839	Seq. ID	OJ990630_07.9B22.C24
Gene No.	25084	Strand	+
Start	8133	End	9213
Name	OJ990630_07.9B22.C24.o2.tm	Method	TBLASTX:Maize
Start	8375	End	8620
GI	none	Score	211
Exons	8375..8620, 8376..8618		

Seq. No.	11839	Seq. ID	OJ990630_07.9B22.C24
Gene No.	25084	Strand	+
Start	8133	End	9213
Name	OJ990630_07.9B22.C24.o1.ts	Method	TBLASTX:Soybean
Start	8397	End	9212
GI	none	Score	126
Exons	8397..8606, 8652..8774, 8874..8897, 8895..9080, 9159..9212		

Seq. No.	11839	Seq. ID	OJ990630_07.9B22.C24
Gene No.	25084	Strand	+
Start	8133	End	9213
Name	OJ990630_07.9B22.C24.o1.tm	Method	TBLASTX:Maize
Start	8948	End	9212
GI	none	Score	188
Exons	8948..9088, 8949..9089, 9137..9211, 9159..9212		

Seq. No.	11840	Seq. ID	OJ990630_07.9B22.C25
Gene No.	25085	Strand	+
Start	1	End	333
Name	OJ990630_07.9B22.C25.o1.np	Method	AAT/NAP
Start	1	End	324
GI	2829862	Score	261
Exons	1..324		
GI Descrip.	(AC002396) Similar to glucosyltransferases [Arabidopsis thaliana]		

Seq. No.	11840	Seq. ID	OJ990630_07.9B22.C25
Gene No.	25085	Strand	+
Start	1	End	333
Name	OJ990630_07.9B22.C25.o1.ts	Method	TBLASTX:Soybean
Start	1	End	312
GI	none	Score	131
Exons	1..141, 6..80, 217..312		

Seq. No.	11840	Seq. ID	OJ990630_07.9B22.C25
Gene No.	25085	Strand	+

Start	1	End	333
Name	OJ990630_07.9B22.C25.o1.tc	Method	TBLASTX:Cress
Start	1	End	312
GI	none	Score	152
Exons	1..129, 3..65, 202..312		

Seq. No.	11840	Seq. ID	OJ990630_07.9B22.C25
Gene No.	25085	Strand	+
Start	1	End	333
Name	OJ990630_07.9B22.C25.o1.gs	Method	GENSCAN
Start	52	End	333
GI	none	Score	.98
Exons	52..333		

Seq. No.	11841	Seq. ID	OJ990630_07.9B22.C26
Gene No.	25086	Strand	+
Start	192	End	2335
Name	OJ990630_07.9B22.C26.o1.gs	Method	GENSCAN
Start	192	End	553
GI	none	Score	.81
Exons	192..281, 326..553		

Seq. No.	11841	Seq. ID	OJ990630_07.9B22.C26
Gene No.	25086	Strand	+
Start	192	End	2335
Name	OJ990630_07.9B22.C26.o2.np	Method	AAT/NAP
Start	407	End	2324
GI	6721562	Score	450
Exons	407..563, 861..931, 1078..1403, 1647..2324		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	11841	Seq. ID	OJ990630_07.9B22.C26
Gene No.	25086	Strand	+
Start	192	End	2335
Name	OJ990630_07.9B22.C26.o2.gs	Method	GENSCAN
Start	893	End	2335
GI	none	Score	.57
Exons	893..929, 961..1266, 1355..1738, 2014..2335		

Seq. No.	11841	Seq. ID	OJ990630_07.9B22.C26
Gene No.	25087	Strand	-
Start	1	End	1851
Name	OJ990630_07.9B22.C26.o1.np	Method	AAT/NAP
Start	1	End	1851
GI	6721512	Score	78
Exons	1..116, 145..293, 1826..1851		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11841	Seq. ID	OJ990630_07.9B22.C26
Gene No.	25088	Strand	
Start	1760	End	2177
Name	OJ990630_07.9B22.C26.o1.tm	Method	TBLASTX:Maize
Start	1760	End	2015

GI	none	Score	181
Exons	1760..1834, 1776..2015		

Seq. No.	11841	Seq. ID	OJ990630_07.9B22.C26
Gene No.	25088	Strand	
Start	1760	End	2177
Name	OJ990630_07.9B22.C26.o1.tw	Method	TBLASTX:Wheat
Start	1779	End	2177
GI	none	Score	243
Exons	1779..2177, 1793..1831, 1904..2086		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25089	Strand	+
Start	2	End	4129
Name	OJ990630_07.9B22.C27.o1.gs	Method	GENSCAN
Start	2	End	4129
GI	none	Score	.71
Exons	2..388, 518..691, 746..922, 998..2677, 2786..2969, 3018..3187, 3371..3685, 3851..4129		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25089	Strand	+
Start	2	End	4129
Name	OJ990630_07.9B22.C27.o1.np	Method	AAT/NAP
Start	1007	End	4126
GI	5902445	Score	3045
Exons	1007..2842, 2882..4126		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25090	Strand	+
Start	11662	End	12856
Name	OJ990630_07.9B22.C27.o3.gs	Method	GENSCAN
Start	11662	End	12856
GI	none	Score	.81
Exons	11662..11878, 12208..12265, 12325..12531, 12550..12856		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25091	Strand	+
Start	14012	End	14555
Name	OJ990630_07.9B22.C27.o5.gs	Method	GENSCAN
Start	14012	End	14309
GI	none	Score	.8
Exons	14012..14309		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25091	Strand	+
Start	14012	End	14555
Name	OJ990630_07.9B22.C27.o6.np	Method	AAT/NAP
Start	14021	End	14555
GI	130582	Score	386
Exons	14021..14555		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25092	Strand	-
Start	4995	End	8533
Name	OJ990630_07.9B22.C27.o2.gs	Method	GENSCAN
Start	4995	End	8533
GI	none	Score	.65
Exons	4995..5236, 5362..5507, 5636..5931, 5968..6332, 6351..6397, 6465..6523, 6594..6782, 6850..6974, 7054..7356, 7669..7796, 8372..8393, 8449..8533		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25092	Strand	-
Start	4995	End	8533
Name	OJ990630_07.9B22.C27.o2.np	Method	AAT/NAP
Start	5635	End	7250
GI	6721561	Score	1079
Exons	5635..6397, 6465..6523, 6594..6782, 7180..7250		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25092	Strand	-
Start	4995	End	8533
Name	OJ990630_07.9B22.C27.o3.np	Method	AAT/NAP
Start	6136	End	7768
GI	6721558	Score	271
Exons	6136..6345, 6850..6974, 7669..7768		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25093	Strand	-
Start	8598	End	8715
Name	OJ990630_07.9B22.C27.o4.np	Method	AAT/NAP
Start	8598	End	8715
GI	6721512	Score	65
Exons	8598..8715		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o4.tw	Method	TBLASTX:Wheat
Start	305	End	760
GI	none	Score	154
Exons	305..487, 313..486, 524..760, 526..642, 536..745		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o1.tw	Method	TBLASTX:Wheat
Start	952	End	1407
GI	none	Score	537

Exons	952..1407, 953..1396, 991..1407		
Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o1.tm	Method	TBLASTX:Maize
Start	1082	End	1438
GI	none	Score	406
Exons	1082..1438, 1117..1437		
Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o3.tm	Method	TBLASTX:Maize
Start	1466	End	1849
GI	none	Score	309
Exons	1466..1849, 1501..1578, 1633..1848		
Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o2.tw	Method	TBLASTX:Wheat
Start	1523	End	1947
GI	none	Score	442
Exons	1523..1945, 1526..1912, 1633..1947		
Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o1.ts	Method	TBLASTX:Soybean
Start	1634	End	2002
GI	none	Score	267
Exons	1634..2002, 1636..1752		
Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o6.tw	Method	TBLASTX:Wheat
Start	2092	End	2500
GI	none	Score	196
Exons	2092..2319, 2093..2317, 2327..2500, 2345..2497		
Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o7.tw	Method	TBLASTX:Wheat
Start	2540	End	2797
GI	none	Score	179
Exons	2540..2797		
Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o2.tm	Method	TBLASTX:Maize
Start	3002	End	3307
GI	none	Score	331
Exons	3002..3307, 3019..3306		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o5.tw	Method	TBLASTX:Wheat
Start	3002	End	3385
GI	none	Score	339
Exons	3002..3385, 3010..3384		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o3.tw	Method	TBLASTX:Wheat
Start	3509	End	4117
GI	none	Score	342
Exons	3509..3961, 3524..3619, 3658..3765, 3986..4117		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o5.np	Method	AAT/NAP
Start	11522	End	13721
GI	5032119	Score	120
Exons	11522..11575, 12381..12746, 12973..13175, 13412..13721		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o1.gp	Method	AAT/GAP
Start	11962	End	12423
GI	2309682	Score	736
Exons	11962..12423		

Seq. No.	11842	Seq. ID	OJ990630_07.9B22.C27
Gene No.	25094	Strand	-
Start	11522	End	13767
Name	OJ990630_07.9B22.C27.o4.gs	Method	GENSCAN
Start	13117	End	13767
GI	none	Score	.92
Exons	13117..13767		

Seq. No.	11843	Seq. ID	OJ990630_07.9B22.C28
Gene No.	25095	Strand	-
Start	518	End	978
Name	OJ990630_07.9B22.C28.o1.gs	Method	GENSCAN
Start	518	End	918
GI	none	Score	.63
Exons	518..628, 643..918		

Seq. No.	11843	Seq. ID	OJ990630_07.9B22.C28
Gene No.	25095	Strand	-
Start	518	End	978
Name	OJ990630_07.9B22.C28.o1.np	Method	AAT/NAP
Start	643	End	978

GI	6683052	Score	285
Exons	643..978		
GI Descrip.	(AB027455) anthocyanin 5-O-glucosyltransferase [Petunia x hybrida]		

Seq. No.	11843	Seq. ID	OJ990630_07.9B22.C28
Gene No.	25095	Strand	-
Start	518	End	978
Name	OJ990630_07.9B22.C28.o1.tm	Method	TBLASTX:Maize
Start	835	End	975
GI	none	Score	126
Exons	835..975, 878..970		

Seq. No.	11844	Seq. ID	OJ990630_07.9B22.C29
Gene No.	25096	Strand	+
Start	823	End	1035
Name	OJ990630_07.9B22.C29.o2.np	Method	AAT/NAP
Start	823	End	1035
GI	4895224	Score	41
Exons	823..1035		
GI Descrip.	(AC007660) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	11844	Seq. ID	OJ990630_07.9B22.C29
Gene No.	25097	Strand	-
Start	1	End	714
Name	OJ990630_07.9B22.C29.o1.np	Method	AAT/NAP
Start	1	End	714
GI	2149127	Score	317
Exons	1..714		
GI Descrip.	(U81293) UDP-glucose:indole-3-acetate beta-D-glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	11844	Seq. ID	OJ990630_07.9B22.C29
Gene No.	25097	Strand	-
Start	1	End	714
Name	OJ990630_07.9B22.C29.o1.tc	Method	TBLASTX:Cress
Start	9	End	690
GI	none	Score	74
Exons	9..110, 114..167, 221..427, 259..441, 439..492, 556..690		

Seq. No.	11844	Seq. ID	OJ990630_07.9B22.C29
Gene No.	25097	Strand	-
Start	1	End	714
Name	OJ990630_07.9B22.C29.o1.gs	Method	GENSCAN
Start	27	End	705
GI	none	Score	.54
Exons	27..128, 139..705		

Seq. No.	11844	Seq. ID	OJ990630_07.9B22.C29
Gene No.	25097	Strand	-
Start	1	End	714
Name	OJ990630_07.9B22.C29.o1.tm	Method	TBLASTX:Maize
Start	227	End	511
GI	none	Score	189
Exons	227..511, 259..510		

Seq. No.	11845	Seq. ID	OJ990630_07.9B22.C30
Gene No.	25098	Strand	+
Start	5289	End	6489
Name	OJ990630_07.9B22.C30.o2.np	Method	AAT/NAP
Start	5289	End	6489
GI	2576286	Score	39
Exons	5289..5357, 5908..6193, 6429..6489		
GI Descrip.	(Y15086) HepB protein [Cylindrotheca fusiformis]		

Seq. No.	11845	Seq. ID	OJ990630_07.9B22.C30
Gene No.	25099	Strand	-
Start	550	End	5320
Name	OJ990630_07.9B22.C30.o1.gs	Method	GENSCAN
Start	550	End	5320
GI	none	Score	.64
Exons	550..677, 1291..1382, 2891..3012, 3323..3476, 4830..5021, 5160..5320		

Seq. No.	11845	Seq. ID	OJ990630_07.9B22.C30
Gene No.	25099	Strand	-
Start	550	End	5320
Name	OJ990630_07.9B22.C30.o1.tm	Method	TBLASTX:Maize
Start	2300	End	4762
GI	none	Score	162
Exons	2300..2476, 2303..2482, 2323..2484, 2469..2516, 2533..2607, 2546..2608, 2599..2802, 2600..2803, 2609..2806, 2855..3019, 2888..3013, 2889..3020, 2890..3021, 3318..3425, 3323..3427, 3324..3428, 4652..4699, 4685..4762, 4685..4756, 4687..4761		

Seq. No.	11845	Seq. ID	OJ990630_07.9B22.C30
Gene No.	25099	Strand	-
Start	550	End	5320
Name	OJ990630_07.9B22.C30.o1.np	Method	AAT/NAP
Start	2379	End	5263
GI	2947060	Score	949
Exons	2379..2800, 2891..3012, 3323..3426, 3825..3855, 4655..4794, 4924..5021, 5160..5263		
GI Descrip.	(AC002521) unknown protein [Arabidopsis thaliana]		

Seq. No.	11845	Seq. ID	OJ990630_07.9B22.C30
Gene No.	25099	Strand	-
Start	550	End	5320
Name	OJ990630_07.9B22.C30.o1.gp	Method	AAT/GAP
Start	2544	End	5313
GI	7928_1.R1084	Score	1536
Exons	2544..2800, 2891..3012, 3323..3426, 3825..3855, 4655..4794, 4924..5021, 5160..5313		
GI Descrip.	'2947060 1.0e-102 (AC002521) putative membrane protein [Arabidopsis thaliana]'		

Seq. No.	11845	Seq. ID	OJ990630_07.9B22.C30
Gene No.	25099	Strand	-
Start	550	End	5320
Name	OJ990630_07.9B22.C30.o1.ts	Method	TBLASTX:Soybean
Start	2626	End	5237
GI	none	Score	77
Exons	2626..2697, 2626..2697, 2708..2803, 2713..2814, 2719..2814,		

2888..3013, 2890..3021, 3323..3427, 3324..3428, 3333..3437, 3541..3555, 4643..4747, 4652..4759, 4653..4757, 4923..4988, 4925..4990, 5165..5236, 5172..5237

Seq. No.	11846	Seq. ID	OJ990630_07.9B22.C31
Gene No.	25100	Strand	+
Start	1	End	3462
Name	OJ990630_07.9B22.C31.o2.np	Method	AAT/NAP
Start	1	End	3462
GI	6016874	Score	289
Exons	1..27, 586..821, 1212..1283, 1383..1466, 1877..2032, 2129..2518, 3228..3269, 3350..3462		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	11846	Seq. ID	OJ990630_07.9B22.C31
Gene No.	25100	Strand	+
Start	1	End	3462
Name	OJ990630_07.9B22.C31.o1.gs	Method	GENSCAN
Start	226	End	2535
GI	none	Score	.47
Exons	226..598, 1078..1251, 1351..1611, 2127..2363, 2411..2535		

Seq. No.	11846	Seq. ID	OJ990630_07.9B22.C31
Gene No.	25101	Strand	-
Start	3102	End	3296
Name	OJ990630_07.9B22.C31.o1.tm	Method	TBLASTX:Maize
Start	558	End	869
GI	none	Score	55
Exons	558..605, 624..869, 634..810, 635..838		

Seq. No.	11846	Seq. ID	OJ990630_07.9B22.C31
Gene No.	25101	Strand	-
Start	3102	End	3296
Name	OJ990630_07.9B22.C31.o2.tm	Method	TBLASTX:Maize
Start	1164	End	1520
GI	none	Score	143
Exons	1164..1259, 1169..1258, 1338..1520, 1343..1501		

Seq. No.	11846	Seq. ID	OJ990630_07.9B22.C31
Gene No.	25101	Strand	-
Start	3102	End	3296
Name	OJ990630_07.9B22.C31.o3.tm	Method	TBLASTX:Maize
Start	1521	End	2029
GI	none	Score	56
Exons	1521..1571, 1813..2001, 1817..2029		

Seq. No.	11846	Seq. ID	OJ990630_07.9B22.C31
Gene No.	25101	Strand	-
Start	3102	End	3296
Name	OJ990630_07.9B22.C31.o2.gs	Method	GENSCAN
Start	3102	End	3296
GI	none	Score	.41
Exons	3102..3226, 3281..3296		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33

Gene No.	25102	Strand	+
Start	1	End	501
Name	OJ990630_07.9B22.C33.o1.gp	Method	AAT/GAP
Start	1	End	501
GI	57500_1.R1084	Score	971
Exons	1..501		
GI Descrip.	'5669634/gb|AAD46402.1|AF096246_1 5.0e-25 (AF096246) ethylene-responsive transcriptional coactivator [Lycopersicon esculentum]'		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25102	Strand	+
Start	1	End	501
Name	OJ990630_07.9B22.C33.o1.np	Method	AAT/NAP
Start	1	End	230
GI	5669634	Score	217
Exons	1..230		
GI Descrip.	(AF096246) ethylene-responsive transcriptional coactivator [Lycopersicon esculentum]		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25102	Strand	+
Start	1	End	501
Name	OJ990630_07.9B22.C33.o1.gs	Method	GENSCAN
Start	60	End	257
GI	none	Score	.63
Exons	60..257		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25103	Strand	-
Start	1698	End	3708
Name	OJ990630_07.9B22.C33.o1.ts	Method	TBLASTX:Soybean
Start	1678	End	3707
GI	none	Score	242
Exons	1678..1977, 1692..1973, 2162..2254, 2191..2265, 2353..2475, 2355..2495, 2639..2713, 2706..2801, 2722..2799, 2883..3065, 2893..3057, 3134..3232, 3138..3233, 3597..3707, 3604..3702		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25103	Strand	-
Start	1698	End	3708
Name	OJ990630_07.9B22.C33.o1.tm	Method	TBLASTX:Maize
Start	1698	End	3172
GI	none	Score	96
Exons	1698..1841, 1698..1973, 1699..1977, 2165..2263, 2191..2256, 2350..2493, 2353..2493, 2355..2495, 2645..2779, 2883..3068, 2959..3057, 3134..3172		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25103	Strand	-
Start	1698	End	3708
Name	OJ990630_07.9B22.C33.o2.gs	Method	GENSCAN
Start	1698	End	3704
GI	none	Score	.95
Exons	1698..1971, 2095..2112, 2192..2253, 2355..2492, 2892..3065, 3143..3232, 3594..3704		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25103	Strand	-
Start	1698	End	3708
Name	OJ990630_07.9B22.C33.o2.np	Method	AAT/NAP
Start	1701	End	3708
GI	1743354	Score	744
Exons	1701..1971, 2192..2253, 2355..2492, 2660..2798, 2892..3065, 3143..3232, 3594..3708		
GI Descrip.	(Y09876) aldehyde dehydrogenase (NAD+) [Nicotiana tabacum]		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25103	Strand	-
Start	1698	End	3708
Name	OJ990630_07.9B22.C33.o1.tc	Method	TBLASTX:Cress
Start	1783	End	3707
GI	none	Score	48
Exons	1783..1836, 1836..1967, 1840..1986, 2165..2266, 2194..2265, 2355..2450, 2445..2495, 2892..3068, 2896..3057, 3134..3238, 3147..3233, 3603..3707, 3619..3705		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25103	Strand	-
Start	1698	End	3708
Name	OJ990630_07.9B22.C33.o2.tw	Method	TBLASTX:Wheat
Start	1794	End	1986
GI	none	Score	101
Exons	1794..1982, 1795..1986		

Seq. No.	11847	Seq. ID	OJ990630_07.9B22.C33
Gene No.	25103	Strand	-
Start	1698	End	3708
Name	OJ990630_07.9B22.C33.o1.tw	Method	TBLASTX:Wheat
Start	2191	End	3692
GI	none	Score	63
Exons	2191..2229, 2343..2396, 2412..2492, 2895..2951, 2946..3017, 3009..3068, 3134..3235, 3162..3230, 3591..3692		

Seq. No.	11848	Seq. ID	OJ990630_07.9B22.C35
Gene No.	25104	Strand	+
Start	1299	End	1622
Name	OJ990630_07.9B22.C35.o1.gs	Method	GENSCAN
Start	1299	End	1622
GI	none	Score	.57
Exons	1299..1622		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25105	Strand	+
Start	428	End	1175
Name	OJ990630_05.9B15.C1.o1.gs	Method	GENSCAN
Start	428	End	1175
GI	none	Score	.68
Exons	428..1175		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25106	Strand	+
Start	1238	End	1561
Name	OJ990630_05.9B15.C1.o1.gp	Method	AAT/GAP

Start	1238	End	1561
GI	none	Score	612
Exons	1238..1561		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25107	Strand	+
Start	3418	End	7947
Name	OJ990630_05.9B15.C1.o1.np	Method	AAT/NAP
Start	3415	End	6103
GI	6728990	Score	1507
Exons	3415..3471, 3564..3680, 4540..4980, 5100..5462, 5918..6103		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25107	Strand	+
Start	3418	End	7947
Name	OJ990630_05.9B15.C1.o2.gs	Method	GENSCAN
Start	3418	End	7947
GI	none	Score	.89
Exons	3418..3471, 3564..3680, 4540..4980, 5100..5462, 5918..6094, 6338..6527, 7222..7286, 7804..7947		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25108	Strand	+
Start	8553	End	9130
Name	OJ990630_05.9B15.C1.o2.np	Method	AAT/NAP
Start	8553	End	9130
GI	6069646	Score	316
Exons	8553..9130		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+
Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o1.tm	Method	TBLASTX:Maize
Start	3350	End	6114
GI	none	Score	93
Exons	3350..3472, 3410..3472, 3411..3488, 3427..3504, 3558..3680, 3561..3680, 3561..3680, 3562..3702, 3563..3703, 3566..3655, 4537..4653, 4537..4947, 4537..4653, 4537..4872, 4539..4667, 4557..4907, 4632..4982, 4651..4980, 4824..4985, 5081..5134, 5081..5458, 5092..5463, 5099..5356, 5100..5462, 5100..5384, 5100..5471, 5100..5351, 5183..5464, 5349..5462, 5912..6100, 5912..6109, 5917..6114, 5917..6108, 5929..6111		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+
Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o1.tw	Method	TBLASTX:Wheat
Start	3404	End	5369
GI	none	Score	88
Exons	3404..3472, 3404..3472, 3420..3491, 3561..3680, 3563..3655, 4529..4669, 4537..4671, 4538..4666, 4539..4670, 5099..5368,		

5100..5369

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+
Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o1.tc	Method	TBLASTX:Cress
Start	3421	End	5965
GI	none	Score	84
Exons	3421..3504, 3561..3680, 3566..3655, 4537..4641, 4557..4634, 4627..4671, 4627..4677, 4771..4797, 4897..4980, 4897..4980, 4899..4982, 5098..5271, 5099..5332, 5100..5339, 5324..5368, 5325..5369, 5426..5458, 5427..5462, 5924..5965		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+
Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o1.ts	Method	TBLASTX:Soybean
Start	3427	End	5446
GI	none	Score	83
Exons	3427..3504, 3561..3680, 4537..4746, 4557..4748, 4948..4980, 5099..5446, 5100..5444, 5101..5445		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+
Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o2.tc	Method	TBLASTX:Cress
Start	4728	End	6106
GI	none	Score	37
Exons	4728..4754, 4729..4764, 4804..4890, 4806..4886, 5917..6099, 5966..6106, 5978..6103		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+
Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o2.ts	Method	TBLASTX:Soybean
Start	4804	End	6106
GI	none	Score	118
Exons	4804..4947, 4806..4934, 5957..6106, 5957..6094, 5959..6102		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+
Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o2.tw	Method	TBLASTX:Wheat
Start	8682	End	9004
GI	none	Score	177
Exons	8682..8996, 8873..9004		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+
Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o2.tm	Method	TBLASTX:Maize
Start	8745	End	9130
GI	none	Score	172
Exons	8745..8984, 8745..8942, 8978..9130		

Seq. No.	11849	Seq. ID	OJ990630_05.9B15.C1
Gene No.	25109	Strand	+

Start	9501	End	9616
Name	OJ990630_05.9B15.C1.o2.gp	Method	AAT/GAP
Start	9501	End	9616
GI	none	Score	168
Exons	9501..9616		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25110	Strand	+
Start	709	End	6392
Name	OJ990630_05.9B15.C2.o2.np	Method	AAT/NAP
Start	709	End	6392
GI	3777527	Score	2446
Exons	709..1679, 1882..2130, 2527..2666, 2802..2939, 3111..3232, 3260..4551, 4636..6392		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25111	Strand	+
Start	7923	End	15053
Name	OJ990630_05.9B15.C2.o2.gs	Method	GENSCAN
Start	7923	End	15053
GI	none	Score	.49
Exons	7923..8085, 8217..8423, 9414..9617, 9832..9926, 10009..10482, 12198..12225, 12304..12423, 13017..13164, 13201..13217, 13328..13553, 14116..14235, 14831..15053		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25112	Strand	+
Start	16014	End	24206
Name	OJ990630_05.9B15.C2.o3.gp	Method	AAT/GAP
Start	15749	End	19879
GI	2516_1.R1084	Score	3973
Exons	15749..16253, 17419..17534, 17668..17756, 17840..17953, 18038..18125, 18209..18294, 18386..18488, 18581..18678, 18789..19218, 19317..19879		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 1.0e-160 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25112	Strand	+
Start	16014	End	24206
Name	OJ990630_05.9B15.C2.o3.gs	Method	GENSCAN
Start	16014	End	23994
GI	none	Score	.86
Exons	16014..16098, 16104..16253, 17419..17534, 17668..17756, 18038..18125, 18209..18294, 18386..18488, 18581..18678, 18789..19218, 19275..19424, 20705..21005, 21236..21373, 21724..21928, 22017..22130, 22226..22313, 22432..22517, 22623..22725, 22873..22970, 23134..23563, 23683..23994		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25112	Strand	+
Start	16014	End	24206
Name	OJ990630_05.9B15.C2.o4.np	Method	AAT/NAP
Start	17376	End	19634
GI	6686400	Score	1378
Exons	17376..17534, 17668..17756, 17840..17953, 18038..18125,		

	18209..18294, 18386..18488, 18581..18678, 18789..19240, 19282..19634		
GI Descrip.	(AC007234) F1E22.18 [Arabidopsis thaliana]		
Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25112	Strand	+
Start	16014	End	24206
Name	OJ990630_05.9B15.C2.o4.gp	Method	AAT/GAP
Start	20916	End	22098
GI	29451_1.R1084	Score	1380
Exons	20916..21373, 21724..21928, 22017..22098		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 6.0e-12 (AC006224) putative protein kinase [Arabidopsis thaliana]'		
Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25112	Strand	+
Start	16014	End	24206
Name	OJ990630_05.9B15.C2.o5.np	Method	AAT/NAP
Start	20941	End	23991
GI	4531444	Score	1323
Exons	20941..20999, 21743..21928, 22017..22130, 22226..22313, 22432..22517, 22623..22725, 22873..22970, 23134..23563, 23683..23991		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		
Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25112	Strand	+
Start	16014	End	24206
Name	OJ990630_05.9B15.C2.o5.gp	Method	AAT/GAP
Start	23694	End	24206
GI	19075_1.R1084	Score	947
Exons	23694..24206		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-09 (AC006224) putative protein kinase [Arabidopsis thaliana]'		
Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25113	Strand	+
Start	25236	End	27325
Name	OJ990630_05.9B15.C2.o6.np	Method	AAT/NAP
Start	25215	End	27325
GI	6063552	Score	871
Exons	25215..25592, 25938..26121, 26562..26834, 27185..27325		
GI Descrip.	(AP000615) ESTs AU065232(E60855),C23624(S1554), AU078241(E60855) correspond to a region of the predicted gene.; similar to putative adenylate kinase. (AC005896) [Oryza sativa]		
Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25113	Strand	+
Start	25236	End	27325
Name	OJ990630_05.9B15.C2.o4.gs	Method	GENSCAN
Start	25236	End	27325
GI	none	Score	.86
Exons	25236..25313, 25461..25538, 25981..26121, 26562..26834, 27185..27325		
Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25113	Strand	+

Start	25236	End	27325
Name	OJ990630_05.9B15.C2.o6.gp	Method	AAT/GAP
Start	25419	End	26129
GI	2431503	Score	474
Exons	25419..25538, 25981..26129		
GI Descrip.	4056480 4.0e-29 (AC005896) putative adenylate kinase [Arabidopsis thaliana]		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25114	Strand	+
Start	31018	End	31129
Name	OJ990630_05.9B15.C2.o7.np	Method	AAT/NAP
Start	31018	End	31129
GI	6692131	Score	79
Exons	31018..31129		
GI Descrip.	(AC007654) T19E23.10 [Arabidopsis thaliana]		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o4.tw	Method	TBLASTX:Wheat
Start	3660	End	4223
GI	none	Score	152
Exons	3660..3896, 3936..4223, 4043..4087, 4044..4208, 4121..4222		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o3.tm	Method	TBLASTX:Maize
Start	3891	End	4526
GI	none	Score	86
Exons	3891..3974, 3922..3954, 3957..4379, 4049..4378, 4291..4392, 4374..4526		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o4.ts	Method	TBLASTX:Soybean
Start	4065	End	4526
GI	none	Score	270
Exons	4065..4376, 4076..4369, 4388..4507, 4398..4526		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o6.tc	Method	TBLASTX:Cress
Start	4083	End	4520
GI	none	Score	176
Exons	4083..4373, 4389..4520		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o2.ts	Method	TBLASTX:Soybean
Start	4799	End	5368
GI	5509260	Score	651
Exons	4799..5368, 4839..5366		

GI Descrip. -

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o1.tw	Method	TBLASTX:Wheat
Start	4884	End	5351
GI	none	Score	82
Exons	4884..4973, 4890..4967, 5007..5351, 5024..5152, 5183..5350		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o5.tc	Method	TBLASTX:Cress
Start	4983	End	5249
GI	none	Score	244
Exons	4983..5249, 4988..5248		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o4.tm	Method	TBLASTX:Maize
Start	5030	End	5477
GI	none	Score	526
Exons	5030..5467, 5031..5477, 5172..5468		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o7.ts	Method	TBLASTX:Soybean
Start	5510	End	5738
GI	none	Score	192
Exons	5510..5677, 5514..5738		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o5.tw	Method	TBLASTX:Wheat
Start	5538	End	5954
GI	none	Score	103
Exons	5538..5690, 5718..5954, 5729..5953		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o4.tc	Method	TBLASTX:Cress
Start	5718	End	6377
GI	none	Score	119
Exons	5718..5891, 5730..5900, 6012..6146, 6164..6283, 6165..6377		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o2.tm	Method	TBLASTX:Maize
Start	5721	End	6377
GI	none	Score	686
Exons	5721..6377, 5729..6376		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o3.ts	Method	TBLASTX:Soybean
Start	5739	End	6419
GI	none	Score	249
Exons	5739..6128, 5744..5899, 5933..6043, 6156..6419, 6161..6322		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o6.tw	Method	TBLASTX:Wheat
Start	9323	End	9727
GI	none	Score	150
Exons	9323..9589, 9602..9727		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o6.ts	Method	TBLASTX:Soybean
Start	9374	End	9814
GI	none	Score	142
Exons	9374..9592, 9677..9814		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o6.tm	Method	TBLASTX:Maize
Start	9410	End	9802
GI	none	Score	305
Exons	9410..9802, 9412..9522, 9589..9723		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o7.tm	Method	TBLASTX:Maize
Start	10018	End	10563
GI	none	Score	288
Exons	10018..10551, 10230..10382, 10453..10563		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o1.tm	Method	TBLASTX:Maize
Start	16017	End	24011
GI	none	Score	68
Exons	16017..16061, 17417..17554, 17508..17555, 17665..17760, 17667..17759, 17689..17760, 17840..17953, 17841..17951, 18019..18126, 18029..18124, 18042..18131, 18197..18295, 18207..18296, 18208..18294, 18329..18349, 18384..18488, 18386..18490, 18578..18679, 18578..18679, 18580..18690, 18778..19218, 18786..19217, 19320..19571, 19322..19570, 19328..19636, 19589..19654, 21042..21065, 21069..21173, 21070..21153, 21141..21173, 21722..21928, 21723..21929, 21723..21932, 22017..22130, 22018..22128, 22223..22312, 22224..22313, 22228..22314, 22429..22518, 22430..22522,		

22439..22513, 22621..22725, 22628..22726, 22628..22726,
22869..22970, 22870..23010, 22870..22971, 23132..23563,
23197..23562, 23681..23785, 23682..23993, 23683..23994,
23683..23994, 23892..24011

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o2.tw	Method	TBLASTX:Wheat
Start	16110	End	22464
GI	none	Score	85

Exons 16110..16253, 16216..16254, 16220..16258, 17416..17496,
17416..17535, 17417..17497, 17417..17536, 17665..17760,
17666..17758, 17667..17795, 17667..17759, 17839..17952,
17839..17955, 18007..18126, 18029..18124, 18036..18125,
18042..18131, 18207..18242, 18207..18242, 21722..21775,
21723..21929, 21741..21920, 21827..21949, 22016..22123,
22018..22128, 22023..22130, 22223..22312, 22224..22313,
22429..22464

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o1.ts	Method	TBLASTX:Soybean
Start	17444	End	23916
GI	none	Score	70

Exons 17444..17536, 17651..17758, 17665..17760, 17667..17759,
17680..17778, 17838..17948, 17839..17952, 17840..17953,
18029..18124, 18045..18125, 18197..18295, 18208..18291,
18383..18490, 18384..18488, 18403..18492, 18404..18490,
18577..18678, 18578..18679, 18579..18677, 18580..18678,
18778..19221, 18811..19209, 18813..19220, 19316..19558,
19317..19580, 21750..21932, 21763..21945, 21813..21929,
21827..21949, 22016..22120, 22017..22130, 22018..22128,
22429..22518, 22621..22725, 22870..22971, 23132..23566,
23200..23475, 23204..23542, 23686..23916, 23688..23882

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o1.tc	Method	TBLASTX:Cress
Start	17447	End	23481
GI	none	Score	148

Exons 17447..17545, 17665..17760, 17667..17759, 17838..17897,
17840..17917, 17841..17864, 17913..17957, 17915..17944,
17917..17946, 18037..18072, 18042..18089, 18087..18128,
18253..18285, 18384..18488, 18384..18488, 18578..18679,
18595..18678, 18786..18950, 18786..19130, 18787..19131,
21813..21929, 21827..21928, 22017..22094, 22018..22095,
22090..22122, 22092..22115, 22224..22274, 22275..22319,
22438..22458, 22621..22725, 22870..22971, 22887..22961,
23096..23473, 23131..23328, 23132..23479, 23200..23475,
23416..23481

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036

Name	OJ990630_05.9B15.C2.o3.tw	Method	TBLASTX:Wheat
Start	18407	End	23209
GI	none	Score	157
Exons	18407..18490, 18408..18488, 18411..18491, 18578..18679, 18578..18679, 18579..18683, 18778..18867, 18787..18867, 22642..22725, 22645..22725, 22869..22958, 22870..22971, 22870..22971, 23132..23209		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o3.tc	Method	TBLASTX:Cress
Start	19316	End	23952
GI	none	Score	289
Exons	19316..19567, 19317..19568, 23483..23566, 23658..23933, 23686..23952		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o5.ts	Method	TBLASTX:Soybean
Start	25388	End	27322
GI	none	Score	77
Exons	25388..25486, 25390..25455, 25398..25487, 25404..25487, 25978..26121, 25980..26126, 26561..26776, 26562..26834, 26565..26843, 27188..27322, 27190..27321		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o2.tc	Method	TBLASTX:Cress
Start	25401	End	27303
GI	none	Score	195
Exons	25401..25544, 25403..25531, 25404..25538, 25966..26022, 25976..26020, 26020..26121, 26026..26121, 26550..26828, 26560..26823, 26562..26834, 27188..27295, 27190..27303		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o5.tm	Method	TBLASTX:Maize
Start	25490	End	27596
GI	none	Score	70
Exons	25490..25531, 25491..25541, 25491..25538, 25951..26121, 25978..26121, 25979..26125, 25980..26126, 25980..26126, 26560..26832, 26561..26779, 26562..26834, 26562..26834, 27159..27281, 27183..27278, 27187..27321, 27188..27322, 27293..27331, 27293..27334, 27431..27478, 27442..27477, 27492..27596		

Seq. No.	11850	Seq. ID	OJ990630_05.9B15.C2
Gene No.	25115	Strand	-
Start	28531	End	31036
Name	OJ990630_05.9B15.C2.o5.gs	Method	GENSCAN
Start	28531	End	31036
GI	none	Score	.54
Exons	28531..28722, 30757..30982, 30987..31036		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25116	Strand	+
Start	84	End	1396
Name	OJ990630_05.9B15.C3.o1.gs	Method	GENSCAN
Start	84	End	1396
GI	none	Score	.83
Exons	84..205, 1059..1396		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25117	Strand	+
Start	9933	End	10611
Name	OJ990630_05.9B15.C3.o3.gs	Method	GENSCAN
Start	9933	End	10448
GI	none	Score	.57
Exons	9933..10211, 10317..10448		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25117	Strand	+
Start	9933	End	10611
Name	OJ990630_05.9B15.C3.o1.gp	Method	AAT/GAP
Start	10244	End	10611
GI	none	Score	688
Exons	10244..10611		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25118	Strand	+
Start	17785	End	21146
Name	OJ990630_05.9B15.C3.o2.np	Method	AAT/NAP
Start	17785	End	21143
GI	5091619	Score	1339
Exons	17785..18400, 19232..19485, 20595..21143		
GI Descrip.	(AC007454) F23M19.7 [Arabidopsis thaliana]		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25118	Strand	+
Start	17785	End	21146
Name	OJ990630_05.9B15.C3.o5.gs	Method	GENSCAN
Start	20628	End	21146
GI	none	Score	.45
Exons	20628..21146		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25119	Strand	-
Start	4752	End	19781
Name	OJ990630_05.9B15.C3.o1.np	Method	AAT/NAP
Start	4752	End	16611
GI	2244781	Score	382
Exons	4752..4803, 10502..10662, 10743..11052, 12948..13045, 13201..13344, 13750..13788, 14359..14496, 16041..16106, 16351..16425, 16507..16611		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25119	Strand	-
Start	4752	End	19781
Name	OJ990630_05.9B15.C3.o4.gs	Method	GENSCAN

Start	10619	End	19781
GI	none	Score	.6
Exons	10619..10662, 10787..11017, 12504..12548, 12943..13045, 13201..13344, 13542..13640, 14359..14521, 16039..16147, 16309..16477, 16507..16911, 17124..17329, 17736..18403, 19693..19781		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25119	Strand	-
Start	4752	End	19781
Name	OJ990630_05.9B15.C3.o2.gp	Method	AAT/GAP
Start	10832	End	13315
GI	LIB3431-052-P1-K1-E10	Score	711
Exons	10832..11017, 12943..13045, 13201..13315		
GI Descrip.	'2244781/emb|CAB10204.1| 5.0e-12 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25119	Strand	-
Start	4752	End	19781
Name	OJ990630_05.9B15.C3.o3.gp	Method	AAT/GAP
Start	16380	End	16743
GI	2311047	Score	502
Exons	16380..16425, 16507..16743		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25120	Strand	-
Start	21537	End	22515
Name	OJ990630_05.9B15.C3.o4.gp	Method	AAT/GAP
Start	21537	End	22436
GI	4715716	Score	1018
Exons	21537..21791, 21878..21992, 22118..22233, 22319..22436		
GI Descrip.	565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25120	Strand	-
Start	21537	End	22515
Name	OJ990630_05.9B15.C3.o6.gs	Method	GENSCAN
Start	21593	End	22515
GI	none	Score	.93
Exons	21593..21791, 21968..21992, 22118..22233, 22319..22515		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o2.tc	Method	TBLASTX:Cress
Start	10484	End	10859
GI	none	Score	63
Exons	10484..10600, 10503..10622, 10615..10665, 10740..10844, 10743..10814, 10747..10815, 10830..10859		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o2.tm	Method	TBLASTX:Maize
Start	10492	End	16621

GI	none	Score	122
Exons	10492..10614, 10496..10615, 10505..10615, 10506..10616, 10610..10663, 10610..10663, 10615..10671, 10615..10665, 10740..10883, 10743..10907, 10745..10915, 10747..10914, 10932..11000, 10932..10997, 12926..13048, 12930..13046, 12943..13047, 13199..13336, 13201..13347, 13201..13344, 13293..13355, 13293..13346, 13523..13606, 13527..13610, 13539..13610, 13540..13611, 13708..13788, 13709..13789, 13712..13789, 13713..13790, 14352..14513, 14358..14513, 14359..14514, 14359..14520, 14360..14518, 16044..16112, 16053..16118, 16098..16166, 16110..16166, 16180..16302, 16366..16440, 16367..16447, 16507..16620, 16514..16621		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o1.ts	Method	TBLASTX:Soybean
Start	10499	End	10877
GI	none	Score	169
Exons	10499..10615, 10621..10665, 10740..10877		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o4.ts	Method	TBLASTX:Soybean
Start	12977	End	14442
GI	none	Score	120
Exons	12977..13048, 13201..13344, 13202..13336, 13220..13345, 13539..13610, 13540..13611, 13708..13788, 13709..13789, 14359..14442, 14360..14437		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o3.tm	Method	TBLASTX:Maize
Start	19264	End	21077
GI	none	Score	38
Exons	19264..19299, 19351..19404, 19441..19479, 20592..20984, 20681..20803, 21021..21077		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o1.tc	Method	TBLASTX:Cress
Start	20594	End	20981
GI	none	Score	280
Exons	20594..20803, 20595..20981		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o3.ts	Method	TBLASTX:Soybean
Start	20595	End	20840
GI	none	Score	215
Exons	20595..20840, 20693..20803, 20718..20828		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3

Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o1.tw	Method	TBLASTX:Wheat
Start	20612	End	20978
GI	none	Score	270
Exons	20612..20803, 20613..20978, 20697..20930		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o1.tm	Method	TBLASTX:Maize
Start	21606	End	22446
GI	none	Score	167
Exons	21606..21746, 21611..21790, 21614..21805, 21615..21794, 21877..21993, 21881..21994, 22116..22247, 22116..22250, 22117..22248, 22145..22258, 22150..22257, 22293..22445, 22318..22446, 22318..22446		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o2.ts	Method	TBLASTX:Soybean
Start	21614	End	22453
GI	none	Score	89
Exons	21614..21790, 21627..21791, 21883..21999, 21884..22000, 22319..22453, 22321..22452		

Seq. No.	11851	Seq. ID	OJ990630_05.9B15.C3
Gene No.	25121	Strand	-
Start	22560	End	23130
Name	OJ990630_05.9B15.C3.o5.gp	Method	AAT/GAP
Start	22560	End	23130
GI	LIB3432-014-P1-K1-E9	Score	365
Exons	22560..22609, 22979..23130		
GI Descrip.	'565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds'		

Seq. No.	11852	Seq. ID	OJ990630_05.9B15.C4
Gene No.	25122	Strand	+
Start	726	End	815
Name	OJ990630_05.9B15.C4.o2.gp	Method	AAT/GAP
Start	726	End	815
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	726..815		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11852	Seq. ID	OJ990630_05.9B15.C4
Gene No.	25123	Strand	-
Start	1	End	102
Name	OJ990630_05.9B15.C4.o1.gp	Method	AAT/GAP
Start	1	End	102
GI	LIB3432-014-P1-K1-E9	Score	172
Exons	1..102		
GI Descrip.	'565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds'		

Seq. No.	11852	Seq. ID	OJ990630_05.9B15.C4
Gene No.	25124	Strand	-
Start	1588	End	2283
Name	OJ990630_05.9B15.C4.o1.np	Method	AAT/NAP
Start	1588	End	2283
GI	129232	Score	457
Exons	1588..1666, 1875..2283		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	11852	Seq. ID	OJ990630_05.9B15.C4
Gene No.	25124	Strand	-
Start	1588	End	2283
Name	OJ990630_05.9B15.C4.o1.ts	Method	TBLASTX:Soybean
Start	1875	End	2281
GI	none	Score	114
Exons	1875..2054, 1876..2040, 2106..2162, 2166..2213, 2194..2247, 2261..2281		

Seq. No.	11852	Seq. ID	OJ990630_05.9B15.C4
Gene No.	25124	Strand	-
Start	1588	End	2283
Name	OJ990630_05.9B15.C4.o1.tm	Method	TBLASTX:Maize
Start	1878	End	2248
GI	none	Score	162
Exons	1878..2054, 1879..2052, 2099..2134, 2106..2213, 2122..2214, 2130..2216, 2197..2247, 2201..2248		

Seq. No.	11852	Seq. ID	OJ990630_05.9B15.C4
Gene No.	25124	Strand	-
Start	1588	End	2283
Name	OJ990630_05.9B15.C4.o1.tc	Method	TBLASTX:Cress
Start	1881	End	2281
GI	none	Score	104
Exons	1881..2057, 1903..2055, 2106..2213, 2197..2247, 2258..2281		

Seq. No.	11852	Seq. ID	OJ990630_05.9B15.C4
Gene No.	25124	Strand	-
Start	1588	End	2283
Name	OJ990630_05.9B15.C4.o1.tw	Method	TBLASTX:Wheat
Start	1881	End	2043
GI	none	Score	107
Exons	1881..2042, 1882..2043		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25125	Strand	+
Start	1148	End	12047
Name	OJ990630_05.9B15.C5.o2.gs	Method	GENSCAN
Start	1148	End	8598
GI	none	Score	.72
Exons	1148..1231, 1329..1503, 1592..1674, 2009..2158, 2775..2924, 3034..3151, 3486..3542, 4026..4165, 5348..5368, 5937..6038, 6625..6803, 6820..6945, 7123..7321, 7327..7378, 8197..8256, 8534..8598		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25125	Strand	+
Start	1148	End	12047
Name	OJ990630_05.9B15.C5.o1.gp	Method	AAT/GAP
Start	5076	End	5318
GI	2797265	Score	470
Exons	5076..5318		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25125	Strand	+
Start	1148	End	12047
Name	OJ990630_05.9B15.C5.o1.np	Method	AAT/NAP
Start	7232	End	12047
GI	5091513	Score	2073
Exons	7232..7338, 8936..9806, 9910..10918, 11040..11272, 11919..12047		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25125	Strand	+
Start	1148	End	12047
Name	OJ990630_05.9B15.C5.o3.gs	Method	GENSCAN
Start	9183	End	9710
GI	none	Score	.93
Exons	9183..9710		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25125	Strand	+
Start	1148	End	12047
Name	OJ990630_05.9B15.C5.o4.gs	Method	GENSCAN
Start	9919	End	11539
GI	none	Score	.88
Exons	9919..10765, 11211..11539		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25126	Strand	-
Start	12	End	596
Name	OJ990630_05.9B15.C5.o1.gs	Method	GENSCAN
Start	12	End	596
GI	none	Score	.7
Exons	12..596		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25127	Strand	-
Start	13980	End	15001
Name	OJ990630_05.9B15.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	347
GI	none	Score	100
Exons	1..96, 3..107, 91..246, 96..263, 282..347		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25127	Strand	-
Start	13980	End	15001
Name	OJ990630_05.9B15.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	488
GI	none	Score	168
Exons	1..183, 3..95, 96..140, 144..182, 171..266, 193..252, 267..347, 289..348, 396..488, 426..449		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25127	Strand	-
Start	13980	End	15001
Name	OJ990630_05.9B15.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	440
GI	none	Score	119
Exons	1..96, 3..107, 96..140, 97..159, 193..249, 195..263, 276..347, 289..348, 399..440		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25127	Strand	-
Start	13980	End	15001
Name	OJ990630_05.9B15.C5.o2.tm	Method	TBLASTX:Maize
Start	2587	End	3129
GI	none	Score	77
Exons	2587..2655, 2589..2651, 2590..2652, 2591..2665, 2769..2921, 2772..2942, 3024..3119, 3026..3118, 3034..3129		

Seq. No.	11853	Seq. ID	OJ990630_05.9B15.C5
Gene No.	25127	Strand	-
Start	13980	End	15001
Name	OJ990630_05.9B15.C5.o6.gs	Method	GENSCAN
Start	13980	End	15001
GI	none	Score	.51
Exons	13980..14152, 14953..15001		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o2.tw	Method	TBLASTX:Wheat
Start	51	End	3617
GI	none	Score	50
Exons	51..107, 3198..3428, 3199..3429, 3411..3617, 3437..3610		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o4.tw	Method	TBLASTX:Wheat
Start	686	End	1238
GI	none	Score	34
Exons	686..721, 846..893, 900..998, 905..997, 965..1159, 981..1238		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o1.np	Method	AAT/NAP
Start	697	End	4496
GI	6498441	Score	4096
Exons	697..1761, 2092..2556, 2620..2993, 3177..3311, 3485..3824, 4017..4496		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+

Start	697	End	4496
Name	OJ990630_05.9B15.C6.o3.tm	Method	TBLASTX:Maize
Start	851	End	1136
GI	none	Score	197
Exons	851..1135, 888..1136		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o3.tw	Method	TBLASTX:Wheat
Start	1976	End	2462
GI	none	Score	404
Exons	1976..2149, 1977..2462, 2171..2431		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o1.tw	Method	TBLASTX:Wheat
Start	2627	End	3090
GI	none	Score	207
Exons	2627..3070, 2628..3083, 2629..3090, 2629..3084		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o2.ts	Method	TBLASTX:Soybean
Start	2668	End	3033
GI	none	Score	113
Exons	2668..2892, 2899..3033		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o1.tm	Method	TBLASTX:Maize
Start	2758	End	3114
GI	none	Score	384
Exons	2758..3114, 2793..3104, 2809..3114		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o2.tm	Method	TBLASTX:Maize
Start	3141	End	3524
GI	none	Score	287
Exons	3141..3425, 3142..3426, 3414..3524		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496
Name	OJ990630_05.9B15.C6.o1.ts	Method	TBLASTX:Soybean
Start	3277	End	3746
GI	none	Score	154
Exons	3277..3420, 3294..3419, 3417..3647, 3705..3746		

Seq. No.	11854	Seq. ID	OJ990630_05.9B15.C6
Gene No.	25128	Strand	+
Start	697	End	4496

Name	OJ990630_05.9B15.C6.o5.tw	Method	TBLASTX:Wheat
Start	4171	End	4435
GI	none	Score	245
Exons	4171..4434, 4172..4435		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25129	Strand	+
Start	1	End	1705
Name	OJ990630_05.9B15.C7.o1.np	Method	AAT/NAP
Start	1	End	1705
GI	6498441	Score	2651
Exons	1..1330, 1424..1705		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25130	Strand	+
Start	7783	End	11058
Name	OJ990630_05.9B15.C7.o1.gp	Method	AAT/GAP
Start	7656	End	11058
GI	559_1.R1084	Score	3372
Exons	7656..8269, 9399..9637, 9734..9874, 9951..10418, 10729..11058		
GI Descrip.	'129232/sp|P25777|ORYB_ORYSA 0.0e+00 ORYZAIN BETA CHAIN PRECURSOR >gi_67645_pir__KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice >gi_218183_dbj_BAA14403_ (D90407) oryzain beta precursor [Oryza sativa]'		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25130	Strand	+
Start	7783	End	11058
Name	OJ990630_05.9B15.C7.o3.np	Method	AAT/NAP
Start	7783	End	10810
GI	129232	Score	2365
Exons	7783..8269, 9399..9637, 9734..9874, 9951..10418, 10729..10810		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25130	Strand	+
Start	7783	End	11058
Name	OJ990630_05.9B15.C7.o4.gs	Method	GENSCAN
Start	7783	End	10794
GI	none	Score	.78
Exons	7783..8269, 9423..9637, 9734..9874, 9951..10418, 10729..10794		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25131	Strand	-
Start	2253	End	5623
Name	OJ990630_05.9B15.C7.o2.gs	Method	GENSCAN
Start	2253	End	5623
GI	none	Score	.67
Exons	2253..2282, 2347..3252, 3273..4266, 4362..5623		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25131	Strand	-

Start	2253	End	5623
Name	OJ990630_05.9B15.C7.o2.np	Method	AAT/NAP
Start	2336	End	5623
GI	6907089	Score	4919
Exons	2336..4266, 4362..5623		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25132	Strand	-
Start	5953	End	6808
Name	OJ990630_05.9B15.C7.o3.gs	Method	GENSCAN
Start	5953	End	6808
GI	none	Score	.43
Exons	5953..6100, 6445..6520, 6649..6808		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o6.tw	Method	TBLASTX:Wheat
Start	59	End	382
GI	none	Score	190
Exons	59..382, 61..246		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o3.tm	Method	TBLASTX:Maize
Start	575	End	937
GI	none	Score	361
Exons	575..898, 604..885, 890..937		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o1.tw	Method	TBLASTX:Wheat
Start	712	End	1113
GI	none	Score	372
Exons	712..768, 713..1093, 713..1054, 814..1113		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o3.tw	Method	TBLASTX:Wheat
Start	1117	End	1696
GI	none	Score	82
Exons	1117..1377, 1118..1378, 1120..1377, 1142..1510, 1570..1692, 1571..1696		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o5.tm	Method	TBLASTX:Maize
Start	1565	End	1708
GI	none	Score	187
Exons	1565..1708, 1570..1704		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7

Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o5.tw	Method	TBLASTX:Wheat
Start	6805	End	12199
GI	none	Score	55
Exons	6805..6885, 11770..12039, 11771..12043, 11860..11982, 12101..12199		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o1.tm	Method	TBLASTX:Maize
Start	7833	End	10851
GI	none	Score	75
Exons	7833..7901, 7855..7920, 7912..7962, 7942..7965, 7965..8048, 7987..8070, 8071..8163, 8085..8153, 8155..8202, 8169..8186, 8197..8271, 8229..8288, 9397..9636, 9397..9636, 9398..9637, 9734..9874, 9734..9874, 9736..9876, 9950..10168, 9951..10169, 10222..10413, 10230..10415, 10231..10416, 10690..10803, 10727..10804, 10728..10805, 10789..10851		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o1.tc	Method	TBLASTX:Cress
Start	7840	End	10778
GI	none	Score	53
Exons	7840..7887, 7845..7886, 7906..8055, 7989..8048, 8074..8157, 8091..8144, 8161..8271, 9397..9504, 9398..9508, 9487..9636, 9512..9640, 9515..9628, 9529..9636, 9734..9874, 9734..9874, 9736..9876, 9736..9885, 9950..10168, 9951..10169, 10013..10177, 10239..10412, 10249..10416, 10728..10778		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o1.ts	Method	TBLASTX:Soybean
Start	7840	End	10412
GI	none	Score	46
Exons	7840..7884, 7986..8048, 7987..8061, 8074..8163, 8088..8156, 8161..8271, 8232..8273, 9397..9504, 9398..9505, 9469..9636, 9509..9637, 9509..9640, 9734..9874, 9736..9858, 9929..10078, 9945..10103, 9957..10100, 10103..10168, 10104..10169, 10232..10336, 10233..10412, 10315..10410		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o2.tw	Method	TBLASTX:Wheat
Start	7990	End	10091
GI	none	Score	64
Exons	7990..8061, 8074..8133, 8194..8262, 9400..9495, 9401..9499, 9515..9628, 9749..9847, 9939..10019, 9993..10091, 10029..10091		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423

Name	OJ990630_05.9B15.C7.o4.np	Method	AAT/NAP
Start	9352	End	12423
GI	4584539	Score	447
Exons	9352..9402, 11458..12310, 12354..12423		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o4.tw	Method	TBLASTX:Wheat
Start	10252	End	10779
GI	none	Score	240
Exons	10252..10419, 10257..10430, 10729..10779		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o5.gs	Method	GENSCAN
Start	11350	End	12360
GI	none	Score	.99
Exons	11350..12139, 12153..12360		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o2.tm	Method	TBLASTX:Maize
Start	11476	End	12001
GI	none	Score	68
Exons	11476..11583, 11479..11583, 11644..11826, 11650..12000, 11651..12001		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o2.ts	Method	TBLASTX:Soybean
Start	11485	End	12248
GI	none	Score	156
Exons	11485..11583, 11582..11866, 11593..11865, 11881..12039, 12101..12169, 12102..12164, 12182..12247, 12183..12248		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o2.tc	Method	TBLASTX:Cress
Start	11587	End	11956
GI	none	Score	145
Exons	11587..11637, 11650..11862, 11651..11866, 11671..11847, 11873..11956, 11875..11949		

Seq. No.	11855	Seq. ID	OJ990630_05.9B15.C7
Gene No.	25133	Strand	-
Start	9352	End	12423
Name	OJ990630_05.9B15.C7.o4.tm	Method	TBLASTX:Maize
Start	12101	End	12262
GI	none	Score	183
Exons	12101..12262, 12102..12257		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25134	Strand	+
Start	6409	End	10450
Name	OJ990630_05.9B15.C8.o3.gs	Method	GENSCAN
Start	6409	End	10100
GI	none	Score	.84
Exons	6409..6526, 7283..7674, 7772..8081, 8180..8354, 8432..8633, 9273..9487, 9529..9612, 9926..10100		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25134	Strand	+
Start	6409	End	10450
Name	OJ990630_05.9B15.C8.o2.gp	Method	AAT/GAP
Start	7346	End	7906
GI	26361_1.R1084	Score	724
Exons	7346..7674, 7772..7906		
GI Descrip.	'2633727/emb|CAB13229| 7.0e-13 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25134	Strand	+
Start	6409	End	10450
Name	OJ990630_05.9B15.C8.o2.np	Method	AAT/NAP
Start	7502	End	10095
GI	2633727	Score	374
Exons	7502..7674, 7772..8076, 8180..8354, 8432..8606, 9273..9389, 9432..9487, 9926..10095		
GI Descrip.	(Z99111) ykrT [Bacillus subtilis]		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25134	Strand	+
Start	6409	End	10450
Name	OJ990630_05.9B15.C8.o3.gp	Method	AAT/GAP
Start	7946	End	8388
GI	none	Score	499
Exons	7946..8081, 8180..8388		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25134	Strand	+
Start	6409	End	10450
Name	OJ990630_05.9B15.C8.o4.gp	Method	AAT/GAP
Start	8441	End	10450
GI	1735_1.R1084	Score	1703
Exons	8441..8633, 9273..9487, 9926..10450		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25135	Strand	-
Start	43	End	210
Name	OJ990630_05.9B15.C8.o1.gs	Method	GENSCAN
Start	43	End	210
GI	none	Score	.49
Exons	43..210		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25136	Strand	-

Start	3334	End	5148
Name	OJ990630_05.9B15.C8.o2.tm	Method	TBLASTX:Maize
Start	3308	End	4964
GI	none	Score	193
Exons	3308..3487, 3320..3490, 3334..3492, 3514..3648, 3600..3680, 3603..3674, 3782..3937, 3792..3863, 3794..3943, 4778..4963, 4779..4964		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25136	Strand	-
Start	3334	End	5148
Name	OJ990630_05.9B15.C8.o2.gs	Method	GENSCAN
Start	3334	End	5098
GI	none	Score	.91
Exons	3334..3488, 3604..3673, 3794..3935, 4779..4959, 5047..5098		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25136	Strand	-
Start	3334	End	5148
Name	OJ990630_05.9B15.C8.o1.np	Method	AAT/NAP
Start	3336	End	5116
GI	6822058	Score	253
Exons	3336..3488, 3604..3673, 3794..3935, 4779..4959, 5047..5116		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25136	Strand	-
Start	3334	End	5148
Name	OJ990630_05.9B15.C8.o1.gp	Method	AAT/GAP
Start	3469	End	5148
GI	20664_1.R1084	Score	851
Exons	3469..3488, 3604..3673, 3794..3935, 4779..4959, 5047..5148		
GI Descrip.	'4662633/gb|AAD26905.1|AC007267_5 2.0e-10 (AC007267) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25137	Strand	
Start	7500	End	10104
Name	OJ990630_05.9B15.C8.o1.tm	Method	TBLASTX:Maize
Start	7500	End	10104
GI	none	Score	88
Exons	7500..7553, 7501..7554, 7596..7673, 7597..7674, 7750..7857, 7767..7913, 7769..8080, 7769..8029, 7771..8079, 8013..8084, 8178..8354, 8179..8355, 8179..8355, 8425..8628, 8429..8632, 8433..8633, 8434..8634, 9266..9487, 9270..9488, 9271..9507, 9271..9495, 9923..10099, 9924..10100, 9925..10104, 9976..10101		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25137	Strand	
Start	7500	End	10104
Name	OJ990630_05.9B15.C8.o1.tc	Method	TBLASTX:Cress
Start	7504	End	7984
GI	none	Score	60
Exons	7504..7554, 7509..7553, 7596..7673, 7597..7674, 7769..7984, 7769..7948, 7771..7983		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8

Gene No.	25137	Strand	
Start	7500	End	10104
Name	OJ990630_05.9B15.C8.o2.ts	Method	TBLASTX:Soybean
Start	7504	End	7930
GI	none	Score	158
Exons	7504..7674, 7506..7673, 7769..7930, 7769..7927, 7771..7929		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25137	Strand	
Start	7500	End	10104
Name	OJ990630_05.9B15.C8.o1.ts	Method	TBLASTX:Soybean
Start	7931	End	9380
GI	none	Score	214
Exons	7931..8077, 7936..8067, 8175..8354, 8179..8352, 8426..8629, 8429..8662, 8430..8633, 9266..9379, 9270..9380		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25137	Strand	
Start	7500	End	10104
Name	OJ990630_05.9B15.C8.o2.tc	Method	TBLASTX:Cress
Start	9276	End	10082
GI	none	Score	264
Exons	9276..9488, 9277..9489, 9278..9487, 9914..10066, 9924..10082		

Seq. No.	11856	Seq. ID	OJ990630_05.9B15.C8
Gene No.	25137	Strand	
Start	7500	End	10104
Name	OJ990630_05.9B15.C8.o3.ts	Method	TBLASTX:Soybean
Start	9918	End	10088
GI	none	Score	191
Exons	9918..10088, 9923..10069, 9924..10070		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25138	Strand	+
Start	733	End	1449
Name	OJ990630_05.9B15.C9.o1.gs	Method	GENSCAN
Start	733	End	1449
GI	none	Score	.6
Exons	733..859, 1293..1449		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o2.gs	Method	GENSCAN
Start	2598	End	5563
GI	none	Score	.94
Exons	2598..2674, 2745..3069, 3155..3464, 3613..3787, 3867..4068, 4490..4704, 5389..5563		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o1.gp	Method	AAT/GAP
Start	2707	End	3336
GI	26361_1.R1084	Score	1050
Exons	2707..3069, 3155..3336		
GI Descrip.	'2633727/emb|CAB13229| 7.0e-13 (Z99111) ykrT [Bacillus		

subtilis]'

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o1.tm	Method	TBLASTX:Maize
Start	2895	End	5568
GI	none	Score	122
Exons	2895..2936, 2896..2973, 2968..3069, 2991..3068, 3111..3311, 3152..3463, 3152..3412, 3154..3462, 3387..3464, 3610..3699, 3611..3787, 3612..3788, 3635..3790, 3860..4063, 3864..4067, 3868..4068, 4487..4705, 4487..4555, 4489..4710, 4489..4710, 4592..4711, 5386..5562, 5387..5563, 5388..5567, 5389..5568		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o1.np	Method	AAT/NAP
Start	2897	End	5560
GI	2633727	Score	404
Exons	2897..3069, 3155..3461, 3613..3787, 3867..4041, 4490..4606, 4649..4704, 5389..5560		
GI Descrip.	(Z99111) ykrT [Bacillus subtilis]		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o1.tc	Method	TBLASTX:Cress
Start	2899	End	3367
GI	none	Score	80
Exons	2899..2970, 2980..3069, 2991..3068, 3127..3366, 3152..3367		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o1.ts	Method	TBLASTX:Soybean
Start	2899	End	3397
GI	none	Score	194
Exons	2899..3069, 2901..3068, 3152..3397, 3152..3322, 3154..3372		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o2.ts	Method	TBLASTX:Soybean
Start	3398	End	4597
GI	none	Score	88
Exons	3398..3460, 3608..3787, 3612..3785, 3613..3789, 3860..3925, 3861..4064, 3864..4097, 3865..4068, 4487..4597, 4489..4596		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o2.gp	Method	AAT/GAP
Start	3878	End	5675
GI	1735_1.R1084	Score	1230
Exons	3878..4068, 4490..4704, 5389..5675		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus		

subtilis]'

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o2.tc	Method	TBLASTX:Cress
Start	4493	End	5545
GI	none	Score	261
Exons	4493..4705, 4494..4709, 4494..4709, 4495..4710, 5377..5529, 5387..5545		

Seq. No.	11857	Seq. ID	OJ990630_05.9B15.C9
Gene No.	25139	Strand	+
Start	2598	End	5675
Name	OJ990630_05.9B15.C9.o3.ts	Method	TBLASTX:Soybean
Start	5381	End	5551
GI	none	Score	190
Exons	5381..5551, 5386..5532, 5387..5533		

Seq. No.	11858	Seq. ID	OJ990630_05.9B15.C10
Gene No.	25140	Strand	+
Start	1	End	938
Name	OJ990630_05.9B15.C10.o1.np	Method	AAT/NAP
Start	1	End	938
GI	5091513	Score	1461
Exons	1..938		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11858	Seq. ID	OJ990630_05.9B15.C10
Gene No.	25140	Strand	+
Start	1	End	938
Name	OJ990630_05.9B15.C10.o1.gs	Method	GENSCAN
Start	46	End	908
GI	none	Score	.97
Exons	46..908		

Seq. No.	11859	Seq. ID	OJ990630_05.9B15.C11
Gene No.	25141	Strand	+
Start	236	End	317
Name	OJ990630_05.9B15.C11.o1.gs	Method	GENSCAN
Start	236	End	317
GI	none	Score	.49
Exons	236..317		

Seq. No.	11859	Seq. ID	OJ990630_05.9B15.C11
Gene No.	25142	Strand	+
Start	439	End	636
Name	OJ990630_05.9B15.C11.o1.tm	Method	TBLASTX:Maize
Start	348	End	635
GI	none	Score	178
Exons	348..635		

Seq. No.	11859	Seq. ID	OJ990630_05.9B15.C11
Gene No.	25142	Strand	+
Start	439	End	636
Name	OJ990630_05.9B15.C11.o1.np	Method	AAT/NAP
Start	439	End	636

GI	6634722	Score	105
Exons	439..636		
GI Descrip.	(AC012463) T2E6.5 [Arabidopsis thaliana]		

Seq. No.	11860	Seq. ID	OJ990630_05.9B15.C12
Gene No.	25143	Strand	-
Start	1	End	628
Name	OJ990630_05.9B15.C12.o1.np	Method	AAT/NAP
Start	1	End	628
GI	5091513	Score	682
Exons	1..628		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11860	Seq. ID	OJ990630_05.9B15.C12
Gene No.	25143	Strand	-
Start	1	End	628
Name	OJ990630_05.9B15.C12.o1.gs	Method	GENSCAN
Start	34	End	438
GI	none	Score	.49
Exons	34..141, 191..302, 373..438		

Seq. No.	11861	Seq. ID	OJ990630_06.9B15.C1
Gene No.	25144	Strand	+
Start	97	End	544
Name	OJ990630_06.9B15.C1.o1.gs	Method	GENSCAN
Start	97	End	544
GI	none	Score	.73
Exons	97..234, 375..462, 529..544		

Seq. No.	11861	Seq. ID	OJ990630_06.9B15.C1
Gene No.	25145	Strand	-
Start	1	End	668
Name	OJ990630_06.9B15.C1.o1.np	Method	AAT/NAP
Start	1	End	668
GI	1196998	Score	1157
Exons	1..668		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25146	Strand	+
Start	470	End	5521
Name	OJ990630_06.9B15.C3.o1.gs	Method	GENSCAN
Start	470	End	5521
GI	none	Score	.5
Exons	470..2270, 3712..3940, 4748..4949, 5439..5521		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25146	Strand	+
Start	470	End	5521
Name	OJ990630_06.9B15.C3.o1.gp	Method	AAT/GAP
Start	509	End	756

GI	none	Score	484
Exons	509..756		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25147	Strand	+
Start	6301	End	7521
Name	OJ990630_06.9B15.C3.o2.gs	Method	GENSCAN
Start	6301	End	7521
GI	none	Score	.72
Exons	6301..6357, 6576..7084, 7113..7521		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25147	Strand	+
Start	6301	End	7521
Name	OJ990630_06.9B15.C3.o3.np	Method	AAT/NAP
Start	6922	End	7232
GI	2832675	Score	173
Exons	6922..6961, 7001..7232		
GI Descrip.	(AL021712) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25148	Strand	+
Start	8445	End	17049
Name	OJ990630_06.9B15.C3.o3.gs	Method	GENSCAN
Start	8445	End	17049
GI	none	Score	.66
Exons	8445..8504, 8636..8789, 10253..10328, 10438..10529, 11066..11082, 13822..14309, 14437..14512, 15202..15315, 15449..15538, 15703..15889, 16532..17049		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25149	Strand	+
Start	19232	End	23271
Name	OJ990630_06.9B15.C3.o5.np	Method	AAT/NAP
Start	19232	End	22696
GI	465997	Score	94
Exons	19232..19276, 22499..22696		
GI Descrip.	HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III gi|630718|pir||S44866 R05D3.4 protein - Caenorhabditis elegans gi|156418 (L07144) putative [Caenorhabditis elegans]		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25149	Strand	+
Start	19232	End	23271
Name	OJ990630_06.9B15.C3.o5.gs	Method	GENSCAN
Start	19540	End	22983
GI	none	Score	.54
Exons	19540..19553, 19629..19789, 20650..20765, 21021..21090, 22847..22983		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25149	Strand	+
Start	19232	End	23271
Name	OJ990630_06.9B15.C3.o3.gp	Method	AAT/GAP
Start	19661	End	23271
GI	none	Score	2181
Exons	19661..19789, 20505..20765, 21021..21090, 21288..21361,		

22499..22715, 22847..23271

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25150	Strand	+
Start	38400	End	39069
Name	OJ990630_06.9B15.C3.o7.np	Method	AAT/NAP
Start	38400	End	39069
GI	5281036	Score	95
Exons	38400..38586, 38949..39069		
GI Descrip.	(AL080318) nucleotide sugar epimerase-like protein [Arabidopsis thaliana]		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25150	Strand	+
Start	38400	End	39069
Name	OJ990630_06.9B15.C3.o6.gp	Method	AAT/GAP
Start	38589	End	38960
GI	none	Score	697
Exons	38589..38960		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25151	Strand	-
Start	18381	End	19420
Name	OJ990630_06.9B15.C3.o4.gs	Method	GENSCAN
Start	18381	End	19420
GI	none	Score	.5
Exons	18381..18875, 19059..19218, 19257..19420		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25151	Strand	-
Start	18381	End	19420
Name	OJ990630_06.9B15.C3.o4.np	Method	AAT/NAP
Start	18441	End	19138
GI	6957701	Score	268
Exons	18441..18857, 19034..19138		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25151	Strand	-
Start	18381	End	19420
Name	OJ990630_06.9B15.C3.o2.gp	Method	AAT/GAP
Start	18720	End	19411
GI	none	Score	920
Exons	18720..18849, 19059..19411		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o7.tm	Method	TBLASTX:Maize
Start	1411	End	1872
GI	none	Score	165
Exons	1411..1680, 1411..1545, 1441..1548, 1443..1553, 1444..1578, 1481..1552, 1523..1690, 1743..1799, 1783..1872, 1784..1855		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682

Name	OJ990630_06.9B15.C3.o2.ts	Method	TBLASTX:Soybean
Start	2188	End	3948
GI	none	Score	109
Exons	2188..2271, 2196..2273, 3710..3814, 3710..3829, 3821..3943, 3853..3948		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o3.tm	Method	TBLASTX:Maize
Start	2198	End	3935
GI	none	Score	105
Exons	2198..2269, 2200..2271, 2206..2271, 3709..3924, 3710..3934, 3710..3934, 3711..3935		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o2.tc	Method	TBLASTX:Cress
Start	7131	End	22705
GI	none	Score	73
Exons	7131..7211, 22514..22705, 22525..22698		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o3.ts	Method	TBLASTX:Soybean
Start	7131	End	22705
GI	none	Score	74
Exons	7131..7211, 22511..22705, 22523..22699		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o4.tm	Method	TBLASTX:Maize
Start	7131	End	22876
GI	none	Score	65
Exons	7131..7211, 22510..22701, 22513..22719, 22514..22720, 22523..22726, 22835..22876		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o5.tm	Method	TBLASTX:Maize
Start	14086	End	15945
GI	none	Score	158
Exons	14086..14187, 14106..14309, 14251..14316, 14434..14508, 14435..14518, 14438..14515, 15223..15276, 15225..15287, 15274..15318, 15445..15537, 15446..15538, 15447..15539, 15448..15540, 15697..15924, 15699..15935, 15700..15945, 15702..15929		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o1.tm	Method	TBLASTX:Maize
Start	17642	End	19387

GI	none	Score	117
Exons	17642..17734, 17646..17771, 17647..17742, 17647..17781, 18435..18602, 18440..18601, 18441..18602, 18442..18603, 18479..18613, 18605..18850, 18606..18878, 18606..18848, 19048..19113, 19048..19122, 19049..19162, 19055..19192, 19271..19387		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o6.tm	Method	TBLASTX:Maize
Start	20502	End	21092
GI	none	Score	222
Exons	20502..20765, 20543..20764, 21024..21089, 21045..21092		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o4.gp	Method	AAT/GAP
Start	23500	End	27682
GI	194_1.R1084	Score	2269
Exons	23500..23972, 24077..24224, 24620..24664, 24792..24906, 24999..25120, 25833..25877, 26512..26551, 27291..27397, 27528..27682		
GI Descrip.	'3334144/sp|P93411|CG1C_ORYSA 1.0e-147 G1/S-SPECIFIC CYCLIN C-TYPE >gi_1695698_dbj_BAA13181_ (D86925) C-type cyclin [Oryza sativa]'		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o2.tm	Method	TBLASTX:Maize
Start	23846	End	27564
GI	none	Score	134
Exons	23846..23968, 23855..23971, 23856..23972, 24072..24224, 24074..24223, 24080..24226, 24100..24231, 24604..24660, 24606..24659, 24619..24666, 24620..24670, 24789..24893, 24790..24903, 24790..24900, 24791..24904, 24976..25122, 24987..25118, 24997..25119, 24998..25123, 24998..25123, 26430..26549, 27292..27354, 27292..27408, 27475..27564, 27530..27562		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o6.gs	Method	GENSCAN
Start	23853	End	25113
GI	none	Score	.82
Exons	23853..23972, 24077..24224, 24620..24790, 24792..24906, 24999..25113		

Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o6.np	Method	AAT/NAP
Start	23856	End	27559
GI	3334144	Score	1093

Exons	23856..23972, 24077..24224, 24620..24664, 24792..24906, 24999..25120, 25833..25877, 26512..26551, 27291..27397, 27528..27559		
GI Descrip.	G1/S-SPECIFIC CYCLIN C-TYPE gi|1695698|dbj|BAA13181| (D86925) C-type cyclin [Oryza sativa]		
Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o1.tc	Method	TBLASTX:Cress
Start	23922	End	24922
GI	none	Score	151
Exons	23922..23972, 24074..24223, 24075..24224, 24797..24826, 24798..24827, 24833..24907, 24833..24922		
Seq. No.	11862	Seq. ID	OJ990630_06.9B15.C3
Gene No.	25152	Strand	-
Start	23853	End	27682
Name	OJ990630_06.9B15.C3.o1.ts	Method	TBLASTX:Soybean
Start	24095	End	27396
GI	none	Score	123
Exons	24095..24223, 24096..24224, 24634..24663, 24789..24902, 24797..24904, 24803..24901, 24808..24915, 24985..25119, 24996..25118, 25003..25122, 25007..25123, 25007..25123, 25832..25879, 27295..27396		
Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25153	Strand	+
Start	1	End	489
Name	OJ990630_06.9B15.C4.o1.gp	Method	AAT/GAP
Start	1	End	489
GI	41448_2.R1084	Score	763
Exons	1..489		
GI Descrip.	'3193316 3.0e-40 (AF069299) contains similarity to nucleotide sugar epimerases [Arabidopsis thaliana]'		
Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25154	Strand	+
Start	10242	End	10707
Name	OJ990630_06.9B15.C4.o4.gp	Method	AAT/GAP
Start	10242	End	10707
GI	none	Score	928
Exons	10242..10707		
Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25155	Strand	+
Start	14814	End	15023
Name	OJ990630_06.9B15.C4.o3.gs	Method	GENSCAN
Start	14814	End	15023
GI	none	Score	.97
Exons	14814..15023		
Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25156	Strand	-
Start	220	End	1247
Name	OJ990630_06.9B15.C4.o2.gp	Method	AAT/GAP
Start	220	End	733

GI	41448_1.R1084	Score	836
Exons	220..733		
GI Descrip.	'5281036/emb|CAB45972.1| 1.0e-39 (AL080318) nucleotide sugar epimerase-like protein [Arabidopsis thaliana]'		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25156	Strand	-
Start	220	End	1247
Name	OJ990630_06.9B15.C4.o3.gp	Method	AAT/GAP
Start	607	End	1247
GI	none	Score	1200
Exons	607..1247		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25157	Strand	-
Start	9940	End	13836
Name	OJ990630_06.9B15.C4.o2.gs	Method	GENSCAN
Start	9940	End	13836
GI	none	Score	.94
Exons	9940..9944, 10602..13836		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25157	Strand	-
Start	9940	End	13836
Name	OJ990630_06.9B15.C4.o5.gp	Method	AAT/GAP
Start	11950	End	12485
GI	LIB3475-007-P1-K1-D9	Score	1060
Exons	11950..12485		
GI Descrip.	'2160156 2.0e-81 (AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb_Z73100). [Arabidopsis thaliana]'		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o1.tc	Method	TBLASTX:Cress
Start	1	End	852
GI	none	Score	215
Exons	1..162, 42..161, 150..434, 163..534, 370..510, 486..533, 586..624, 591..623, 624..806, 625..852		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o2.ts	Method	TBLASTX:Soybean
Start	1	End	828
GI	none	Score	206
Exons	1..210, 1..90, 42..155, 156..533, 160..534, 582..806, 583..828		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o2.tm	Method	TBLASTX:Maize
Start	106	End	828
GI	none	Score	63
Exons	106..156, 156..533, 160..534, 567..665, 582..806, 583..828		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4

Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o5.tm	Method	TBLASTX:Maize
Start	7210	End	7533
GI	none	Score	44
Exons	7210..7251, 7213..7290, 7275..7529, 7291..7533		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o1.tw	Method	TBLASTX:Wheat
Start	10546	End	10912
GI	none	Score	336
Exons	10546..10911, 10558..10908, 10559..10912		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o1.tm	Method	TBLASTX:Maize
Start	10571	End	12414
GI	none	Score	513
Exons	10571..11035, 10573..11088, 10574..11035, 11014..12414, 11030..12412, 11037..12413		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o3.ts	Method	TBLASTX:Soybean
Start	10573	End	11226
GI	none	Score	453
Exons	10573..11226, 10583..11203, 11083..11217		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o3.tc	Method	TBLASTX:Cress
Start	10574	End	10944
GI	none	Score	214
Exons	10574..10939, 10576..10944		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o5.ts	Method	TBLASTX:Soybean
Start	11308	End	11647
GI	none	Score	228
Exons	11308..11646, 11309..11647		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o1.ts	Method	TBLASTX:Soybean
Start	11649	End	12412
GI	none	Score	255
Exons	11649..11864, 11650..11883, 11651..11881, 11878..12411, 11882..12412		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o4.ts	Method	TBLASTX:Soybean
Start	12412	End	12748
GI	none	Score	280
Exons	12412..12747, 12479..12748		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o4.tm	Method	TBLASTX:Maize
Start	12450	End	12762
GI	none	Score	266
Exons	12450..12758, 12450..12761, 12451..12762, 12479..12760		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o2.tc	Method	TBLASTX:Cress
Start	12976	End	13339
GI	none	Score	311
Exons	12976..13338, 12986..13339		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o4.tc	Method	TBLASTX:Cress
Start	13541	End	13812
GI	none	Score	132
Exons	13541..13762, 13543..13803, 13543..13674, 13729..13812		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o8.ts	Method	TBLASTX:Soybean
Start	13555	End	13819
GI	none	Score	120
Exons	13555..13674, 13559..13693, 13729..13818, 13730..13819		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o4.gs	Method	GENSCAN
Start	15976	End	17112
GI	none	Score	.93
Exons	15976..16701, 16999..17112		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o3.tm	Method	TBLASTX:Maize
Start	15986	End	16701
GI	none	Score	173
Exons	15986..16192, 15988..16239, 15988..16251, 15989..16267, 16237..16389, 16241..16363, 16396..16512, 16400..16462, 16474..16515, 16573..16701, 16577..16696		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o5.tc	Method	TBLASTX:Cress
Start	15994	End	16174
GI	none	Score	136
Exons	15994..16161, 15995..16174		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o7.ts	Method	TBLASTX:Soybean
Start	15994	End	16210
GI	none	Score	129
Exons	15994..16194, 15995..16105, 16130..16210		

Seq. No.	11863	Seq. ID	OJ990630_06.9B15.C4
Gene No.	25158	Strand	-
Start	15976	End	17112
Name	OJ990630_06.9B15.C4.o6.ts	Method	TBLASTX:Soybean
Start	16210	End	16695
GI	none	Score	85
Exons	16210..16242, 16235..16363, 16237..16392, 16396..16515, 16400..16462, 16633..16695		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25159	Strand	+
Start	1	End	2835
Name	OJ990630_06.9B15.C5.o2.np	Method	AAT/NAP
Start	1	End	2835
GI	6069646	Score	464
Exons	1..105, 1830..2835		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25160	Strand	+
Start	6913	End	15297
Name	OJ990630_06.9B15.C5.o1.gp	Method	AAT/GAP
Start	6752	End	7193
GI	701961	Score	394
Exons	6752..6997, 7159..7193		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25160	Strand	+
Start	6913	End	15297
Name	OJ990630_06.9B15.C5.o3.gs	Method	GENSCAN
Start	6913	End	10114
GI	none	Score	.77
Exons	6913..6997, 7904..8010, 8618..9436, 9782..10114		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25160	Strand	+

Start	6913	End	15297
Name	OJ990630_06.9B15.C5.o4.np	Method	AAT/NAP
Start	8651	End	14557
GI	5803254	Score	931
Exons	8651..9436, 9537..9689, 14189..14557		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25160	Strand	+
Start	6913	End	15297
Name	OJ990630_06.9B15.C5.o4.gs	Method	GENSCAN
Start	11942	End	15297
GI	none	Score	.52
Exons	11942..12017, 12211..12320, 13021..13701, 14189..14417, 14719..14749, 15165..15297		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25161	Strand	-
Start	165	End	2856
Name	OJ990630_06.9B15.C5.o1.gs	Method	GENSCAN
Start	165	End	2856
GI	none	Score	.89
Exons	165..306, 423..641, 1921..2046, 2346..2429, 2470..2856		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25161	Strand	-
Start	165	End	2856
Name	OJ990630_06.9B15.C5.o1.np	Method	AAT/NAP
Start	165	End	488
GI	5123942	Score	195
Exons	165..306, 423..488		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25162	Strand	-
Start	3261	End	5060
Name	OJ990630_06.9B15.C5.o3.np	Method	AAT/NAP
Start	3240	End	4673
GI	5123942	Score	778
Exons	3240..3947, 4037..4116, 4387..4528, 4608..4673		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25162	Strand	-
Start	3261	End	5060
Name	OJ990630_06.9B15.C5.o2.gs	Method	GENSCAN
Start	3261	End	5060
GI	none	Score	.69
Exons	3261..3971, 4028..4116, 4387..4528, 4608..4829, 5046..5060		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o1.tc	Method	TBLASTX:Cress
Start	163	End	4649

GI	none	Score	72
Exons	163..237, 166..327, 167..328, 423..479, 4382..4534, 4383..4529, 4608..4649		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o2.ts	Method	TBLASTX:Soybean
Start	163	End	4649
GI	none	Score	125
Exons	163..327, 164..340, 423..479, 4382..4534, 4383..4529, 4397..4531, 4608..4649		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o1.tm	Method	TBLASTX:Maize
Start	166	End	4649
GI	none	Score	112
Exons	166..312, 166..327, 167..328, 423..482, 424..483, 3256..3303, 3297..3494, 3298..3495, 3510..3644, 3597..3635, 3654..3947, 3679..3936, 4382..4534, 4383..4529, 4412..4540, 4608..4649		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o5.tm	Method	TBLASTX:Maize
Start	1826	End	16849
GI	none	Score	219
Exons	1826..2083, 1840..2070, 1865..2074, 2090..2173, 16575..16661, 16704..16787, 16781..16849		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o2.tm	Method	TBLASTX:Maize
Start	2275	End	15486
GI	none	Score	62
Exons	2275..2352, 2364..2597, 2365..2595, 2620..2733, 11160..11225, 11276..11389, 15055..15243, 15266..15442, 15268..15486		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o1.tw	Method	TBLASTX:Wheat
Start	2364	End	15480
GI	none	Score	62
Exons	2364..2522, 2367..2522, 2368..2556, 15331..15480		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o1.ts	Method	TBLASTX:Soybean
Start	3507	End	3947
GI	none	Score	49
Exons	3507..3644, 3553..3591, 3648..3800, 3679..3771, 3840..3947, 3841..3933		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o3.tm	Method	TBLASTX:Maize
Start	9054	End	14293
GI	none	Score	168
Exons	9054..9266, 9058..9279, 9059..9277, 9164..9286, 9252..9374, 9322..9351, 9359..9421, 9370..9438, 9371..9427, 9513..9599, 9516..9599, 9602..9694, 9603..9692, 13457..13627, 13459..13668, 13461..13682, 13462..13680, 13751..13831, 13763..13840, 13773..13841, 13920..14003, 13932..14015, 13940..14014, 14004..14123, 14030..14098, 14243..14293		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o5.np	Method	AAT/NAP
Start	15028	End	19699
GI	6069646	Score	446
Exons	15028..15641, 16445..16787, 17070..17243, 19634..19699		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11864	Seq. ID	OJ990630_06.9B15.C5
Gene No.	25163	Strand	-
Start	15028	End	19699
Name	OJ990630_06.9B15.C5.o4.tm	Method	TBLASTX:Maize
Start	16859	End	17247
GI	none	Score	62
Exons	16859..17059, 16859..17068, 16860..17069, 17061..17246, 17082..17108, 17083..17247		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25164	Strand	+
Start	246	End	2655
Name	OJ990630_06.9B15.C6.o1.gs	Method	GENSCAN
Start	246	End	2436
GI	none	Score	.61
Exons	246..318, 620..726, 1119..1799, 2035..2187, 2290..2436		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25164	Strand	+
Start	246	End	2655
Name	OJ990630_06.9B15.C6.o1.np	Method	AAT/NAP
Start	1152	End	2655
GI	5803254	Score	966
Exons	1152..1937, 2035..2178, 2272..2655		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25165	Strand	+

Start	9658	End	22878
Name	OJ990630_06.9B15.C6.o3.np	Method	AAT/NAP
Start	9658	End	12016
GI	322641	Score	1029
Exons	9658..9730, 10637..12016		
GI Descrip.	beta-1,3-glucanase homolog (clone A6) - rape (fragment) gi|17738|emb|CAA49513| (X69887) beta-1,3-glucanase homologue [Brassica napus]		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25165	Strand	+
Start	9658	End	22878
Name	OJ990630_06.9B15.C6.o2.gp	Method	AAT/GAP
Start	10178	End	10630
GI	none	Score	882
Exons	10178..10630		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25165	Strand	+
Start	9658	End	22878
Name	OJ990630_06.9B15.C6.o4.gs	Method	GENSCAN
Start	10487	End	22878
GI	none	Score	.73
Exons	10487..10538, 10628..10886, 10924..11981, 13523..13551, 15123..15221, 16715..16888, 17164..17530, 17622..17720, 18400..18532, 18956..18996, 19688..19792, 19879..21078, 21761..22878		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25165	Strand	+
Start	9658	End	22878
Name	OJ990630_06.9B15.C6.o4.gp	Method	AAT/GAP
Start	20450	End	20820
GI	5803334	Score	686
Exons	20450..20820		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25166	Strand	+
Start	26021	End	28961
Name	OJ990630_06.9B15.C6.o6.gs	Method	GENSCAN
Start	26021	End	28961
GI	none	Score	.72
Exons	26021..26082, 26339..26422, 26872..26963, 27108..27301, 28511..28692, 28832..28961		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25166	Strand	+
Start	26021	End	28961
Name	OJ990630_06.9B15.C6.o4.np	Method	AAT/NAP
Start	27212	End	28958
GI	5816996	Score	536
Exons	27212..27301, 28511..28692, 28832..28958		
GI Descrip.	(AL110123) ribosomal protein L32-like protein [Arabidopsis thaliana]		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25167	Strand	+

Start	30195	End	32742
Name	OJ990630_06.9B15.C6.o7.gp	Method	AAT/GAP
Start	30173	End	32742
GI	17264_1.R1084	Score	1279
Exons	30173..30249, 30353..30408, 31692..31754, 31858..31948, 32057..32161, 32392..32742		
GI Descrip.	'2129622/pir||S71237 1.0e-58 immunophilin FKBP15-1 - Arabidopsis thaliana >gi_1272406 (U52046) immunophilin [Arabidopsis thaliana]'		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25167	Strand	+
Start	30195	End	32742
Name	OJ990630_06.9B15.C6.o7.gs	Method	GENSCAN
Start	30195	End	32486
GI	none	Score	.96
Exons	30195..30249, 30353..30408, 31692..31754, 31858..31948, 32057..32161, 32392..32486		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25167	Strand	+
Start	30195	End	32742
Name	OJ990630_06.9B15.C6.o5.np	Method	AAT/NAP
Start	30313	End	32474
GI	2129622	Score	432
Exons	30313..30408, 31692..31754, 31858..31948, 32057..32161, 32392..32474		
GI Descrip.	immunophilin FKBP15-1 - Arabidopsis thaliana gi|1272406 (U52046) immunophilin [Arabidopsis thaliana]		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25168	Strand	-
Start	3030	End	3084
Name	OJ990630_06.9B15.C6.o1.gp	Method	AAT/GAP
Start	3030	End	3084
GI	20723_1.R1084	Score	57
Exons	3030..3084		
GI Descrip.	'2149018/gb|U70541|OSU70541 8.0e-14 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25169	Strand	-
Start	3486	End	4828
Name	OJ990630_06.9B15.C6.o2.gs	Method	GENSCAN
Start	3486	End	4828
GI	none	Score	.92
Exons	3486..4205, 4302..4390, 4503..4644, 4757..4828		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25169	Strand	-
Start	3486	End	4828
Name	OJ990630_06.9B15.C6.o2.np	Method	AAT/NAP
Start	3501	End	4822
GI	5123942	Score	871
Exons	3501..4205, 4299..4390, 4503..4644, 4757..4822		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25170	Strand	-
Start	11251	End	11667
Name	OJ990630_06.9B15.C6.o3.gp	Method	AAT/GAP
Start	11251	End	11667
GI	uC-osroM202037b04a1	Score	814
Exons	11251..11667		
GI Descrip.	'6041834/gb|AAF02143.1|AC009853_3 6.0e-37 (AC009853) putative glucan endo-1-3-beta-glucosidase [Arabidopsis thaliana]'		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25171	Strand	-
Start	24768	End	24998
Name	OJ990630_06.9B15.C6.o5.gs	Method	GENSCAN
Start	24768	End	24998
GI	none	Score	1
Exons	24768..24998		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o6.tm	Method	TBLASTX:Maize
Start	1558	End	2190
GI	none	Score	199
Exons	1558..1641, 1560..1790, 1562..1786, 1781..1846, 1869..1922, 1872..1928, 2026..2109, 2037..2096, 2076..2117, 2107..2190		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o10.tm	Method	TBLASTX:Maize
Start	2332	End	2644
GI	none	Score	131
Exons	2332..2484, 2334..2420, 2354..2479, 2535..2642, 2536..2643, 2576..2644		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o2.tm	Method	TBLASTX:Maize
Start	3495	End	4811
GI	none	Score	147
Exons	3495..3695, 3495..3797, 3496..3738, 3810..3893, 3810..4022, 3811..4011, 3969..4019, 4074..4130, 4107..4202, 4108..4203, 4504..4650, 4504..4650, 4757..4798, 4758..4811		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o6.ts	Method	TBLASTX:Soybean
Start	3504	End	3714
GI	none	Score	110
Exons	3504..3713, 3505..3606, 3658..3714		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-

Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o2.ts	Method	TBLASTX:Soybean
Start	3720	End	4397
GI	none	Score	69
Exons	3720..3797, 3810..4022, 3811..3873, 3934..4011, 4107..4208, 4108..4203, 4314..4397		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o4.tc	Method	TBLASTX:Cress
Start	4311	End	4798
GI	none	Score	85
Exons	4311..4385, 4498..4650, 4505..4618, 4757..4798		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o7.ts	Method	TBLASTX:Soybean
Start	4498	End	4798
GI	none	Score	78
Exons	4498..4650, 4499..4609, 4757..4798		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o8.tm	Method	TBLASTX:Maize
Start	7612	End	8056
GI	none	Score	90
Exons	7612..7677, 7614..7688, 7772..7867, 7772..7849, 7780..7851, 7958..8056, 7975..8055, 7976..8056		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o1.tm	Method	TBLASTX:Maize
Start	10603	End	11428
GI	none	Score	467
Exons	10603..11001, 10671..10994, 11002..11100, 11003..11101, 11102..11278, 11107..11253, 11240..11302, 11297..11428, 11323..11427		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o4.ts	Method	TBLASTX:Soybean
Start	10633	End	11278
GI	none	Score	248
Exons	10633..10968, 10662..10844, 11003..11035, 11114..11278		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o3.tw	Method	TBLASTX:Wheat
Start	10654	End	10968
GI	none	Score	198
Exons	10654..10968, 10765..10911		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o1.tc	Method	TBLASTX:Cress
Start	10666	End	11980
GI	none	Score	243
Exons	10666..10965, 11003..11110, 11113..11232, 11114..11278, 11300..11563, 11518..11664, 11519..11665, 11708..11743, 11762..11980, 11767..11910		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o1.ts	Method	TBLASTX:Soybean
Start	11306	End	11983
GI	none	Score	236
Exons	11306..11518, 11383..11454, 11518..11754, 11519..11755, 11767..11949, 11771..11983		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o4.tw	Method	TBLASTX:Wheat
Start	11468	End	11662
GI	none	Score	185
Exons	11468..11662, 11518..11661		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o7.tm	Method	TBLASTX:Maize
Start	11480	End	11665
GI	none	Score	316
Exons	11480..11665, 11515..11664, 11591..11665		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o5.tm	Method	TBLASTX:Maize
Start	11737	End	11986
GI	none	Score	376
Exons	11737..11958, 11738..11983, 11912..11986		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o9.tm	Method	TBLASTX:Maize
Start	22476	End	22879
GI	none	Score	59
Exons	22476..22565, 22477..22566, 22563..22766, 22596..22757, 22763..22873, 22765..22878, 22776..22871, 22778..22879		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o3.tm	Method	TBLASTX:Maize

Start	27045	End	28965
GI	none	Score	44
Exons	27045..27068, 27046..27072, 27121..27312, 27131..27301, 28508..28699, 28513..28710, 28514..28693, 28817..28921, 28827..28961, 28828..28965, 28828..28962		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o1.tw	Method	TBLASTX:Wheat
Start	27203	End	28931
GI	none	Score	73
Exons	27203..27301, 27211..27312, 28513..28692, 28514..28693, 28827..28931, 28828..28929		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o3.tc	Method	TBLASTX:Cress
Start	27211	End	28962
GI	none	Score	68
Exons	27211..27285, 28508..28711, 28509..28628, 28513..28740, 28514..28693, 28827..28961, 28828..28962		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o5.ts	Method	TBLASTX:Soybean
Start	27211	End	28961
GI	none	Score	113
Exons	27211..27282, 28503..28610, 28510..28692, 28510..28692, 28511..28693, 28827..28961, 28829..28921		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o4.tm	Method	TBLASTX:Maize
Start	30195	End	32455
GI	none	Score	76
Exons	30195..30224, 30352..30408, 30358..30408, 31686..31763, 31689..31754, 31846..31962, 31857..31949, 32055..32162, 32056..32163, 32390..32443, 32391..32453, 32393..32455		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o2.tw	Method	TBLASTX:Wheat
Start	30309	End	32151
GI	none	Score	72
Exons	30309..30407, 30352..30408, 31686..31763, 31689..31751, 31846..31962, 31857..31961, 32055..32150, 32056..32151		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o3.ts	Method	TBLASTX:Soybean
Start	30346	End	32435

GI	none	Score	74
Exons	30346..30408, 31686..31763, 31691..31732, 31846..31962, 31857..31961, 32055..32162, 32056..32163, 32391..32435		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o2.tc	Method	TBLASTX:Cress
Start	30358	End	32471
GI	none	Score	74
Exons	30358..30408, 31686..31763, 31689..31751, 31846..31962, 31857..31949, 32055..32162, 32056..32163, 32391..32453, 32391..32471		

Seq. No.	11865	Seq. ID	OJ990630_06.9B15.C6
Gene No.	25172	Strand	-
Start	32868	End	33241
Name	OJ990630_06.9B15.C6.o8.gs	Method	GENSCAN
Start	32868	End	33241
GI	none	Score	.79
Exons	32868..32897, 33194..33241		

Seq. No.	11866	Seq. ID	OJ990430_02.9B05.C1
Gene No.	25173	Strand	+
Start	157	End	221
Name	OJ990430_02.9B05.C1.o1.gs	Method	GENSCAN
Start	157	End	221
GI	none	Score	.83
Exons	157..221		

Seq. No.	11866	Seq. ID	OJ990430_02.9B05.C1
Gene No.	25174	Strand	+
Start	946	End	1394
Name	OJ990430_02.9B05.C1.o1.gp	Method	AAT/GAP
Start	946	End	1394
GI	none	Score	887
Exons	946..1394		

Seq. No.	11866	Seq. ID	OJ990430_02.9B05.C1
Gene No.	25175	Strand	-
Start	1403	End	1566
Name	OJ990430_02.9B05.C1.o1.np	Method	AAT/NAP
Start	1403	End	1566
GI	6730652	Score	180
Exons	1403..1566		
GI Descrip.	(AC008262) F4N2.4 [Arabidopsis thaliana]		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2
Gene No.	25176	Strand	+
Start	6036	End	8759
Name	OJ990430_02.9B05.C2.o2.np	Method	AAT/NAP
Start	6036	End	8759
GI	5042463	Score	140
Exons	6036..6068, 7572..7780, 8442..8597, 8650..8759		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2

Gene No.	25177	Strand	-
Start	168	End	9931
Name	OJ990430_02.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	137	End	1282
GI	none	Score	34
Exons	137..160, 220..246, 221..385, 238..483, 241..399, 246..485, 587..868, 587..928, 591..872, 900..1094, 932..1093, 957..1094, 989..1096, 1169..1282, 1212..1274		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2
Gene No.	25177	Strand	-
Start	168	End	9931
Name	OJ990430_02.9B05.C2.o1.gp	Method	AAT/GAP
Start	168	End	735
GI	none	Score	886
Exons	168..483, 591..735		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2
Gene No.	25177	Strand	-
Start	168	End	9931
Name	OJ990430_02.9B05.C2.o1.np	Method	AAT/NAP
Start	216	End	6569
GI	6730652	Score	1644
Exons	216..483, 591..869, 951..1086, 1354..1608, 1704..1904, 2032..2701, 3005..3146, 3655..3760, 4606..4665, 5539..5754, 6092..6226, 6330..6439, 6470..6569		
GI Descrip.	(AC008262) F4N2.4 [Arabidopsis thaliana]		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2
Gene No.	25177	Strand	-
Start	168	End	9931
Name	OJ990430_02.9B05.C2.o1.gs	Method	GENSCAN
Start	223	End	9931
GI	none	Score	.81
Exons	223..483, 591..869, 951..1093, 1172..1276, 1415..1608, 1704..1896, 2036..2701, 3005..3133, 3162..3221, 3569..3760, 4606..4665, 4749..4831, 5616..5754, 6092..6226, 6330..6705, 7212..7436, 8400..8592, 9811..9931		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2
Gene No.	25177	Strand	-
Start	168	End	9931
Name	OJ990430_02.9B05.C2.o1.ts	Method	TBLASTX:Soybean
Start	573	End	919
GI	none	Score	97
Exons	573..710, 575..919, 750..872		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2
Gene No.	25177	Strand	-
Start	168	End	9931
Name	OJ990430_02.9B05.C2.o2.ts	Method	TBLASTX:Soybean
Start	1539	End	1900
GI	none	Score	67
Exons	1539..1604, 1705..1899, 1760..1900		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2
Gene No.	25177	Strand	-

Start	168	End	9931
Name	OJ990430_02.9B05.C2.o2.tm	Method	TBLASTX:Maize
Start	1702	End	2102
GI	none	Score	260
Exons	1702..1899, 1703..1900, 2017..2100, 2018..2101, 2034..2102		

Seq. No.	11867	Seq. ID	OJ990430_02.9B05.C2
Gene No.	25177	Strand	-
Start	168	End	9931
Name	OJ990430_02.9B05.C2.o3.tm	Method	TBLASTX:Maize
Start	5689	End	6440
GI	none	Score	66
Exons	5689..5754, 5706..5756, 6083..6229, 6099..6227, 6330..6440, 6331..6438		

Seq. No.	11868	Seq. ID	OJ990430_02.9B05.C3
Gene No.	25178	Strand	+
Start	27	End	7145
Name	OJ990430_02.9B05.C3.o1.gs	Method	GENSCAN
Start	27	End	2533
GI	none	Score	.4
Exons	27..200, 2257..2326, 2400..2533		

Seq. No.	11868	Seq. ID	OJ990430_02.9B05.C3
Gene No.	25178	Strand	+
Start	27	End	7145
Name	OJ990430_02.9B05.C3.o1.np	Method	AAT/NAP
Start	51	End	7145
GI	100215	Score	108
Exons	51..220, 6926..7145		
GI Descrip.	extensin class I (clone w17-1) - tomato gi|1345531|emb|CAA39212| (X55681) extensin (class I) [Lycopersicon esculentum]		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25179	Strand	+
Start	1	End	4459
Name	OJ990430_02.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	4459
GI	6539580	Score	341
Exons	1..28, 3446..3651, 3748..3831, 3919..4014, 4421..4459		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25179	Strand	+
Start	1	End	4459
Name	OJ990430_02.9B05.C5.o1.gs	Method	GENSCAN
Start	844	End	4327
GI	none	Score	.69
Exons	844..916, 1176..1227, 2570..2703, 2790..2903, 2975..3094, 3176..3207, 3480..3651, 3733..3831, 3919..4053, 4322..4327		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25180	Strand	-
Start	4874	End	8367
Name	OJ990430_02.9B05.C5.o2.np	Method	AAT/NAP
Start	4845	End	7754
GI	6539581	Score	2349

Exons	4845..4993, 5066..6888, 6994..7446, 7617..7754		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25180	Strand	-
Start	4874	End	8367
Name	OJ990430_02.9B05.C5.o2.gs	Method	GENSCAN
Start	4874	End	8367
GI	none	Score	.55
Exons	4874..4993, 5066..6250, 6626..6685, 6751..7449, 7617..7694, 7958..8008, 8098..8169, 8254..8367		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25180	Strand	-
Start	4874	End	8367
Name	OJ990430_02.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	6008	End	6440
GI	none	Score	66
Exons	6008..6439, 6279..6440		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25180	Strand	-
Start	4874	End	8367
Name	OJ990430_02.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	6071	End	6613
GI	none	Score	146
Exons	6071..6613, 6324..6572, 6398..6613		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25180	Strand	-
Start	4874	End	8367
Name	OJ990430_02.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	6290	End	6673
GI	none	Score	138
Exons	6290..6673, 6419..6670		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25180	Strand	-
Start	4874	End	8367
Name	OJ990430_02.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	6359	End	6733
GI	none	Score	101
Exons	6359..6688, 6497..6733		

Seq. No.	11869	Seq. ID	OJ990430_02.9B05.C5
Gene No.	25180	Strand	-
Start	4874	End	8367
Name	OJ990430_02.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	6676	End	6894
GI	none	Score	100
Exons	6676..6894, 6680..6835, 6817..6894		

Seq. No.	11870	Seq. ID	OJ990430_02.9B05.C6
Gene No.	25181	Strand	-
Start	494	End	8331
Name	OJ990430_02.9B05.C6.o1.gs	Method	GENSCAN

Start	494	End	8331
GI	none	Score	.43
Exons	494..598, 1555..1608, 2125..2205, 2608..2697, 2925..3005, 3345..3630, 8137..8331		

Seq. No.	11870	Seq. ID	OJ990430_02.9B05.C6
Gene No.	25182	Strand	-
Start	11946	End	12128
Name	OJ990430_02.9B05.C6.o2.gs	Method	GENSCAN
Start	11946	End	12128
GI	none	Score	.46
Exons	11946..12128		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25183	Strand	+
Start	47	End	247
Name	OJ990430_02.9B05.C7.o1.np	Method	AAT/NAP
Start	47	End	247
GI	6041807	Score	144
Exons	47..247		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25184	Strand	+
Start	5370	End	6656
Name	OJ990430_02.9B05.C7.o3.gs	Method	GENSCAN
Start	5370	End	6656
GI	none	Score	.44
Exons	5370..5525, 6212..6362, 6481..6656		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25185	Strand	+
Start	17725	End	21338
Name	OJ990430_02.9B05.C7.o7.gs	Method	GENSCAN
Start	17725	End	21338
GI	none	Score	.6
Exons	17725..18165, 20144..20358, 20831..20961, 21232..21338		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25186	Strand	+
Start	23532	End	25555
Name	OJ990430_02.9B05.C7.o6.np	Method	AAT/NAP
Start	23532	End	25555
GI	6721512	Score	84
Exons	23532..23556, 24141..24231, 25195..25309, 25337..25555		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25187	Strand	-
Start	2433	End	3793
Name	OJ990430_02.9B05.C7.o1.gp	Method	AAT/GAP
Start	2213	End	2870
GI	15042_1.R1084	Score	1061
Exons	2213..2678, 2770..2870		
GI Descrip.	'6094014/sp|O82528|RL15_PETHY 5.0e-56 60S RIBOSOMAL PROTEIN L15 >gi_3608479 (AF088912) ribosomal protein L15 [Petunia x hybrida]'		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25187	Strand	-
Start	2433	End	3793
Name	OJ990430_02.9B05.C7.o2.gs	Method	GENSCAN
Start	2433	End	3793
GI	none	Score	.81
Exons	2433..2678, 2779..2967, 3513..3679, 3790..3793		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25187	Strand	-
Start	2433	End	3793
Name	OJ990430_02.9B05.C7.o2.np	Method	AAT/NAP
Start	2436	End	3683
GI	6094014	Score	879
Exons	2436..2678, 2770..2967, 3513..3683		
GI Descrip.	60S RIBOSOMAL PROTEIN L15 gi|3608479 (AF088912) ribosomal protein L15 [Petunia x hybrida]		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25188	Strand	-
Start	6523	End	11039
Name	OJ990430_02.9B05.C7.o3.gp	Method	AAT/GAP
Start	6523	End	7190
GI	none	Score	1032
Exons	6523..7005, 7132..7190		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25188	Strand	-
Start	6523	End	11039
Name	OJ990430_02.9B05.C7.o4.gs	Method	GENSCAN
Start	6916	End	8871
GI	none	Score	.69
Exons	6916..7005, 7282..7366, 8213..8338, 8411..8454, 8818..8871		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25188	Strand	-
Start	6523	End	11039
Name	OJ990430_02.9B05.C7.o4.gp	Method	AAT/GAP
Start	8191	End	11039
GI	15905_1.R1084	Score	1048
Exons	8191..8338, 8411..8454, 8539..8661, 8740..8878, 10891..11039		
GI Descrip.	'3170570 3.0e-11 (AF058302) FrnE [Streptomyces roseofulvus]'		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25189	Strand	-
Start	14059	End	15797
Name	OJ990430_02.9B05.C7.o4.np	Method	AAT/NAP
Start	14059	End	15797
GI	2792220	Score	524
Exons	14059..15797		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o4.tm	Method	TBLASTX:Maize

Start	69	End	243
GI	none	Score	202
Exons	69..221, 106..243, 107..229		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	2358	End	2971
GI	none	Score	97
Exons	2358..2681, 2371..2493, 2378..2680, 2767..2796, 2770..2904, 2771..2926, 2774..2971, 2869..2970		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	2430	End	3689
GI	none	Score	251
Exons	2430..2693, 2439..2681, 2548..2685, 2770..2904, 2771..2923, 2774..2971, 3511..3678, 3513..3584, 3513..3689, 3514..3684		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	2433	End	3711
GI	none	Score	192
Exons	2433..2681, 2433..2681, 2470..2697, 2770..2904, 2771..2926, 2774..2971, 2869..2970, 3513..3680, 3514..3711		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	2767	End	3714
GI	none	Score	45
Exons	2767..2793, 2770..2904, 2771..2926, 2774..2971, 2869..2970, 3511..3531, 3513..3680, 3514..3714, 3625..3699		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o3.tm	Method	TBLASTX:Maize
Start	3512	End	3739
GI	none	Score	250
Exons	3512..3583, 3513..3680, 3514..3714, 3628..3684, 3719..3739		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	7294	End	8887
GI	none	Score	90
Exons	7294..7368, 7303..7365, 7304..7402, 7305..7403, 8186..8341, 8188..8340, 8402..8455, 8410..8490, 8413..8457, 8539..8661, 8540..8662, 8550..8672, 8550..8672, 8720..8875, 8737..8883,		

8738..8887

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	8215	End	8893
GI	none	Score	62
Exons	8215..8313, 8216..8308, 8287..8340, 8288..8341, 8406..8441, 8410..8457, 8578..8655, 8579..8653, 8737..8871, 8741..8887, 8756..8893		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o5.tm	Method	TBLASTX:Maize
Start	14789	End	15297
GI	none	Score	75
Exons	14789..14905, 14821..14949, 15025..15162, 15253..15297		

Seq. No.	11871	Seq. ID	OJ990430_02.9B05.C7
Gene No.	25190	Strand	-
Start	20905	End	25555
Name	OJ990430_02.9B05.C7.o5.np	Method	AAT/NAP
Start	20905	End	25555
GI	4680183	Score	241
Exons	20905..20926, 23268..23708, 25067..25151, 25456..25555		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	11872	Seq. ID	OJ990430_02.9B05.C8
Gene No.	25191	Strand	+
Start	670	End	8167
Name	OJ990430_02.9B05.C8.o1.gs	Method	GENSCAN
Start	670	End	3933
GI	none	Score	.56
Exons	670..969, 3066..3210, 3674..3933		

Seq. No.	11872	Seq. ID	OJ990430_02.9B05.C8
Gene No.	25191	Strand	+
Start	670	End	8167
Name	OJ990430_02.9B05.C8.o1.np	Method	AAT/NAP
Start	2798	End	7113
GI	1167523	Score	143
Exons	2798..3216, 7018..7113		
GI Descrip.	(D83003) ORF(AA 1-1338) [Nicotiana tabacum]		

Seq. No.	11872	Seq. ID	OJ990430_02.9B05.C8
Gene No.	25191	Strand	+
Start	670	End	8167
Name	OJ990430_02.9B05.C8.o2.gs	Method	GENSCAN
Start	4624	End	4836
GI	none	Score	.99
Exons	4624..4836		

Seq. No.	11872	Seq. ID	OJ990430_02.9B05.C8
Gene No.	25191	Strand	+
Start	670	End	8167

Name	OJ990430_02.9B05.C8.o3.np	Method	AAT/NAP
Start	5154	End	8167
GI	5922620	Score	596
Exons	5154..5193, 6451..6639, 6880..7042, 7090..7266, 7303..7388, 8039..8167		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11872	Seq. ID	OJ990430_02.9B05.C8
Gene No.	25191	Strand	+
Start	670	End	8167
Name	OJ990430_02.9B05.C8.o3.gs	Method	GENSCAN
Start	5290	End	7753
GI	none	Score	.46
Exons	5290..5415, 5868..5892, 6204..6367, 6563..6836, 6924..7129, 7303..7572, 7688..7753		

Seq. No.	11872	Seq. ID	OJ990430_02.9B05.C8
Gene No.	25192	Strand	-
Start	4653	End	5248
Name	OJ990430_02.9B05.C8.o2.np	Method	AAT/NAP
Start	4653	End	5248
GI	6539570	Score	148
Exons	4653..4844, 5208..5248		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25193	Strand	+
Start	3718	End	9807
Name	OJ990430_02.9B05.C9.o2.np	Method	AAT/NAP
Start	3552	End	9437
GI	6041806	Score	1620
Exons	3552..3804, 4314..4507, 4593..4640, 7109..7181, 7442..7613, 8688..9119, 9245..9437		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25193	Strand	+
Start	3718	End	9807
Name	OJ990430_02.9B05.C9.o2.gs	Method	GENSCAN
Start	3718	End	9807
GI	none	Score	.8
Exons	3718..3804, 7109..7181, 7442..7613, 9245..9436, 9732..9807		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25194	Strand	-
Start	1	End	3654
Name	OJ990430_02.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	3654
GI	3860167	Score	94
Exons	1..182, 3633..3654		
GI Descrip.	(AF098964) disease resistance protein RPP1-WsC [Arabidopsis thaliana]		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o2.tm	Method	TBLASTX:Maize
Start	3546	End	3772
GI	none	Score	343
Exons	3546..3770, 3548..3772, 3578..3772		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	3561	End	9124
GI	none	Score	55
Exons	3561..3644, 3741..3806, 3744..3806, 7112..7183, 8671..8961, 8683..9120, 8895..9044, 8912..9124		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	3561	End	9069
GI	none	Score	55
Exons	3561..3644, 3738..3806, 3741..3806, 4367..4447, 7109..7183, 7112..7183, 7500..7616, 7501..7614, 8688..8768, 8688..8861, 8689..8937, 8689..8937, 8803..8862, 8989..9069		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o2.tc	Method	TBLASTX:Cress
Start	3573	End	9105
GI	none	Score	51
Exons	3573..3653, 3738..3806, 3741..3803, 7103..7183, 7112..7183, 7118..7180, 7441..7614, 7442..7585, 7476..7613, 8688..8765, 8689..8862, 8691..8861, 8695..8724, 8788..8862, 8794..8862, 8808..8888, 8897..8947, 8899..9105, 8904..9044, 8974..9069, 8980..9069, 8984..9103		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o3.ts	Method	TBLASTX:Soybean
Start	3644	End	4471
GI	none	Score	95
Exons	3644..3724, 3645..3740, 4312..4464, 4313..4471		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	4472	End	9090
GI	none	Score	64
Exons	4472..4507, 4474..4518, 4477..4512, 4590..4643, 4591..4647, 4592..4642, 7089..7181, 7092..7181, 7108..7182, 7109..7183, 7109..7195, 7112..7183, 7441..7614, 7442..7630, 7449..7616, 8688..8732, 8688..8735, 8689..8736, 8695..8745, 8776..8862,		

8788..8862, 8980..9090, 8989..9069

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o4.tc	Method	TBLASTX:Cress
Start	9240	End	9401
GI	none	Score	190
Exons	9240..9389, 9245..9400, 9246..9401		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o1.gp	Method	AAT/GAP
Start	11276	End	12573
GI	213_1.R1084	Score	2073
Exons	11276..11933, 12061..12229, 12323..12573		
GI Descrip.	'4158221/emb|CAA77235| 0.0e+00 (Y18624) reversibly glycosylated polypeptide [Oryza sativa]'		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	11579	End	12532
GI	none	Score	131
Exons	11579..11677, 11598..11741, 11598..11936, 11599..11937, 11599..11937, 11820..11942, 12044..12238, 12050..12214, 12055..12234, 12313..12531, 12314..12532		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o3.gs	Method	GENSCAN
Start	11601	End	12573
GI	none	Score	.95
Exons	11601..11933, 12061..12229, 12323..12573		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o3.np	Method	AAT/NAP
Start	11604	End	12573
GI	4158221	Score	1280
Exons	11604..11933, 12061..12229, 12323..12573		
GI Descrip.	(Y18624) reversibly glycosylated polypeptide [Oryza sativa]		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	11607	End	12589
GI	none	Score	96
Exons	11607..11933, 11640..11741, 11644..11934, 11644..11934, 11820..11936, 12058..12231, 12059..12232, 12319..12573, 12320..12589, 12482..12580		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	11622	End	12118
GI	none	Score	338
Exons	11622..11933, 11638..11934, 12052..12117, 12058..12117, 12059..12118		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o3.tc	Method	TBLASTX:Cress
Start	11625	End	11862
GI	none	Score	68
Exons	11625..11741, 11625..11861, 11626..11862		

Seq. No.	11873	Seq. ID	OJ990430_02.9B05.C9
Gene No.	25195	Strand	-
Start	11601	End	12589
Name	OJ990430_02.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	11862	End	12589
GI	none	Score	246
Exons	11862..11915, 11907..11933, 12058..12231, 12059..12232, 12319..12573, 12320..12589, 12476..12580		

Seq. No.	11874	Seq. ID	OJ990430_02.9B05.C10
Gene No.	25196	Strand	+
Start	2116	End	5840
Name	OJ990430_02.9B05.C10.o2.gs	Method	GENSCAN
Start	2116	End	5840
GI	none	Score	.48
Exons	2116..2302, 2728..2753, 2828..2944, 3909..4120, 4407..4536, 5292..5398, 5466..5636, 5723..5840		

Seq. No.	11874	Seq. ID	OJ990430_02.9B05.C10
Gene No.	25196	Strand	+
Start	2116	End	5840
Name	OJ990430_02.9B05.C10.o2.np	Method	AAT/NAP
Start	2145	End	3409
GI	6498436	Score	84
Exons	2145..2350, 3219..3409		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	11874	Seq. ID	OJ990430_02.9B05.C10
Gene No.	25197	Strand	+
Start	8705	End	13296
Name	OJ990430_02.9B05.C10.o4.gs	Method	GENSCAN
Start	8705	End	13296
GI	none	Score	.51
Exons	8705..8758, 9433..9531, 13030..13296		

Seq. No.	11874	Seq. ID	OJ990430_02.9B05.C10
Gene No.	25198	Strand	-
Start	1	End	201
Name	OJ990430_02.9B05.C10.o1.gp	Method	AAT/GAP
Start	1	End	201

GI	213_1.R1084	Score	384
Exons	1..201		
GI Descrip.	'4158221/emb|CAA77235| 0.0e+00 (Y18624) reversibly glycosylated polypeptide [Oryza sativa]'		

Seq. No.	11874	Seq. ID	OJ990430_02.9B05.C10
Gene No.	25198	Strand	-
Start	1	End	201
Name	OJ990430_02.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	112
GI	3646373	Score	147
Exons	1..112		
GI Descrip.	(AJ011078) RGP1 protein [Oryza sativa]		

Seq. No.	11874	Seq. ID	OJ990430_02.9B05.C10
Gene No.	25199	Strand	-
Start	6347	End	6961
Name	OJ990430_02.9B05.C10.o3.gs	Method	GENSCAN
Start	6347	End	6961
GI	none	Score	.52
Exons	6347..6836, 6921..6961		

Seq. No.	11875	Seq. ID	OJ990430_02.9B05.C12
Gene No.	25200	Strand	-
Start	163	End	233
Name	OJ990430_02.9B05.C12.o1.gs	Method	GENSCAN
Start	163	End	233
GI	none	Score	.92
Exons	163..233		

Seq. No.	11876	Seq. ID	OJ990430_02.9B05.C13
Gene No.	25201	Strand	+
Start	28	End	1077
Name	OJ990430_02.9B05.C13.o1.gs	Method	GENSCAN
Start	28	End	1077
GI	none	Score	.54
Exons	28..94, 977..1077		

Seq. No.	11877	Seq. ID	OJ990430_02.9B05.C14
Gene No.	25202	Strand	+
Start	5560	End	5984
Name	OJ990430_02.9B05.C14.o1.gp	Method	AAT/GAP
Start	5560	End	5984
GI	LIB3479-006-Q6-K1-B11	Score	619
Exons	5560..5984		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	11877	Seq. ID	OJ990430_02.9B05.C14
Gene No.	25203	Strand	-
Start	3086	End	5774
Name	OJ990430_02.9B05.C14.o1.np	Method	AAT/NAP
Start	3086	End	5774
GI	6539570	Score	182
Exons	3086..3133, 5337..5403, 5571..5774		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11877	Seq. ID	OJ990430_02.9B05.C14
Gene No.	25204	Strand	-
Start	5901	End	5979
Name	OJ990430_02.9B05.C14.o2.np	Method	AAT/NAP
Start	5901	End	5979
GI	6630699	Score	76
Exons	5901..5979		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11877	Seq. ID	OJ990430_02.9B05.C14
Gene No.	25205	Strand	-
Start	6878	End	7198
Name	OJ990430_02.9B05.C14.o2.gs	Method	GENSCAN
Start	6878	End	7092
GI	none	Score	1
Exons	6878..7092		

Seq. No.	11877	Seq. ID	OJ990430_02.9B05.C14
Gene No.	25205	Strand	-
Start	6878	End	7198
Name	OJ990430_02.9B05.C14.o3.np	Method	AAT/NAP
Start	6878	End	7198
GI	1498064	Score	218
Exons	6878..7198		
GI Descrip.	(U64825) AtE1 [Arabidopsis thaliana]		

Seq. No.	11878	Seq. ID	OJ990430_02.9B05.C15
Gene No.	25206	Strand	+
Start	129	End	1252
Name	OJ990430_02.9B05.C15.o1.gs	Method	GENSCAN
Start	129	End	1252
GI	none	Score	.63
Exons	129..234, 1062..1252		

Seq. No.	11878	Seq. ID	OJ990430_02.9B05.C15
Gene No.	25207	Strand	-
Start	1	End	1314
Name	OJ990430_02.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	1314
GI	6721512	Score	78
Exons	1..20, 836..972, 1000..1106, 1280..1314		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11879	Seq. ID	OJ990430_02.9B05.C16
Gene No.	25208	Strand	+
Start	432	End	2255
Name	OJ990430_02.9B05.C16.o1.gs	Method	GENSCAN
Start	432	End	2254
GI	none	Score	.78
Exons	432..536, 1233..1632, 2238..2254		

Seq. No.	11879	Seq. ID	OJ990430_02.9B05.C16
Gene No.	25208	Strand	+
Start	432	End	2255
Name	OJ990430_02.9B05.C16.o1.gp	Method	AAT/GAP

Start	1233	End	1285
GI	none	Score	83
Exons	1233..1285		

Seq. No.	11879	Seq. ID	OJ990430_02.9B05.C16
Gene No.	25208	Strand	+
Start	432	End	2255
Name	OJ990430_02.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	1581	End	2166
GI	none	Score	61
Exons	1581..1631, 1992..2144, 2029..2166, 2030..2152		

Seq. No.	11879	Seq. ID	OJ990430_02.9B05.C16
Gene No.	25208	Strand	+
Start	432	End	2255
Name	OJ990430_02.9B05.C16.o1.np	Method	AAT/NAP
Start	1608	End	2255
GI	3451070	Score	130
Exons	1608..1632, 2037..2255		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	11880	Seq. ID	OJ990430_02.9B05.C19
Gene No.	25209	Strand	+
Start	145	End	384
Name	OJ990430_02.9B05.C19.o1.gs	Method	GENSCAN
Start	145	End	384
GI	none	Score	.8
Exons	145..205, 272..384		

Seq. No.	11881	Seq. ID	OJ990430_02.9B05.C20
Gene No.	25210	Strand	-
Start	12	End	138
Name	OJ990430_02.9B05.C20.o1.gs	Method	GENSCAN
Start	12	End	138
GI	none	Score	.84
Exons	12..138		

Seq. No.	11881	Seq. ID	OJ990430_02.9B05.C20
Gene No.	25211	Strand	-
Start	318	End	472
Name	OJ990430_02.9B05.C20.o1.np	Method	AAT/NAP
Start	318	End	472
GI	5922620	Score	111
Exons	318..472		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11882	Seq. ID	OJ990430_02.9B05.C22
Gene No.	25212	Strand	+
Start	63	End	1138
Name	OJ990430_02.9B05.C22.o1.gs	Method	GENSCAN
Start	63	End	1138
GI	none	Score	.71
Exons	63..297, 590..734, 1023..1138		

Seq. No.	11882	Seq. ID	OJ990430_02.9B05.C22
Gene No.	25213	Strand	-
Start	547	End	1482
Name	OJ990430_02.9B05.C22.o1.np	Method	AAT/NAP
Start	547	End	1482
GI	5922620	Score	138
Exons	547..683, 1418..1482		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11883	Seq. ID	OJ990430_02.9B05.C23
Gene No.	25214	Strand	-
Start	112	End	225
Name	OJ990430_02.9B05.C23.o1.gs	Method	GENSCAN
Start	112	End	225
GI	none	Score	.91
Exons	112..225		

Seq. No.	11884	Seq. ID	OJ990430_02.9B05.C25
Gene No.	25215	Strand	+
Start	513	End	779
Name	OJ990430_02.9B05.C25.o1.np	Method	AAT/NAP
Start	513	End	779
GI	6093871	Score	288
Exons	513..779		
GI Descrip.	60S RIBOSOMAL PROTEIN L15-1 gi|2982249 (AF051207) probable 60S ribosomal protein L15 [Picea mariana]		

Seq. No.	11884	Seq. ID	OJ990430_02.9B05.C25
Gene No.	25215	Strand	+
Start	513	End	779
Name	OJ990430_02.9B05.C25.o1.tm	Method	TBLASTX:Maize
Start	514	End	717
GI	none	Score	291
Exons	514..717, 515..616, 516..665, 559..717		

Seq. No.	11884	Seq. ID	OJ990430_02.9B05.C25
Gene No.	25215	Strand	+
Start	513	End	779
Name	OJ990430_02.9B05.C25.o1.tw	Method	TBLASTX:Wheat
Start	514	End	717
GI	none	Score	268
Exons	514..717, 516..671, 559..717		

Seq. No.	11884	Seq. ID	OJ990430_02.9B05.C25
Gene No.	25215	Strand	+
Start	513	End	779
Name	OJ990430_02.9B05.C25.o1.gp	Method	AAT/GAP
Start	515	End	715
GI	15042_2.R1084	Score	356
Exons	515..715		
GI Descrip.	'6094014/sp|O82528|RL15_PETHY 2.0e-65 60S RIBOSOMAL PROTEIN L15 >gi_3608479 (AF088912) ribosomal protein L15 [Petunia x		

hybrida]'

Seq. No.	11884	Seq. ID	OJ990430_02.9B05.C25
Gene No.	25215	Strand	+
Start	513	End	779
Name	OJ990430_02.9B05.C25.o1.tc	Method	TBLASTX:Cress
Start	515	End	717
GI	none	Score	55
Exons	515..610, 516..584, 516..665, 562..717, 581..715		

Seq. No.	11884	Seq. ID	OJ990430_02.9B05.C25
Gene No.	25215	Strand	+
Start	513	End	779
Name	OJ990430_02.9B05.C25.o1.ts	Method	TBLASTX:Soybean
Start	515	End	717
GI	none	Score	51
Exons	515..616, 516..584, 559..717, 581..715		

Seq. No.	11884	Seq. ID	OJ990430_02.9B05.C25
Gene No.	25215	Strand	+
Start	513	End	779
Name	OJ990430_02.9B05.C25.o1.gs	Method	GENSCAN
Start	518	End	715
GI	none	Score	.83
Exons	518..715		

Seq. No.	11885	Seq. ID	OJ990430_02.9B05.C26
Gene No.	25216	Strand	+
Start	1	End	221
Name	OJ990430_02.9B05.C26.o1.np	Method	AAT/NAP
Start	1	End	221
GI	5922620	Score	141
Exons	1..221		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11885	Seq. ID	OJ990430_02.9B05.C26
Gene No.	25217	Strand	-
Start	229	End	359
Name	OJ990430_02.9B05.C26.o1.gs	Method	GENSCAN
Start	229	End	359
GI	none	Score	.9
Exons	229..359		

Seq. No.	11886	Seq. ID	OJ990430_02.9B05.C27
Gene No.	25218	Strand	-
Start	279	End	1500
Name	OJ990430_02.9B05.C27.o1.np	Method	AAT/NAP
Start	279	End	1500
GI	6730651	Score	218
Exons	279..388, 425..611, 1299..1500		
GI Descrip.	(AC008262) F4N2.5 [Arabidopsis thaliana]		

Seq. No.	11886	Seq. ID	OJ990430_02.9B05.C27

Gene No.	25218	Strand	-
Start	279	End	1500
Name	OJ990430_02.9B05.C27.o1.gs	Method	GENSCAN
Start	1299	End	1428
GI	none	Score	.69
Exons	1299..1428		

Seq. No.	11887	Seq. ID	OJ990430_02.9B05.C28
Gene No.	25219	Strand	+
Start	1	End	570
Name	OJ990430_02.9B05.C28.o1.np	Method	AAT/NAP
Start	1	End	570
GI	6730652	Score	149
Exons	1..410, 447..570		
GI Descrip.	(AC008262) F4N2.4 [Arabidopsis thaliana]		

Seq. No.	11887	Seq. ID	OJ990430_02.9B05.C28
Gene No.	25219	Strand	+
Start	1	End	570
Name	OJ990430_02.9B05.C28.o1.gs	Method	GENSCAN
Start	91	End	502
GI	none	Score	.96
Exons	91..502		

Seq. No.	11888	Seq. ID	OJ990430_02.9B05.C29
Gene No.	25220	Strand	+
Start	454	End	611
Name	OJ990430_02.9B05.C29.o1.gp	Method	AAT/GAP
Start	454	End	611
GI	15905_1.R1084	Score	253
Exons	454..611		
GI Descrip.	'3170570 3.0e-11 (AF058302) FrnE [Streptomyces roseofulvus]'		

Seq. No.	11888	Seq. ID	OJ990430_02.9B05.C29
Gene No.	25221	Strand	-
Start	489	End	598
Name	OJ990430_02.9B05.C29.o1.ts	Method	TBLASTX:Soybean
Start	435	End	598
GI	none	Score	80
Exons	435..545, 442..579, 448..594, 464..598		

Seq. No.	11888	Seq. ID	OJ990430_02.9B05.C29
Gene No.	25221	Strand	-
Start	489	End	598
Name	OJ990430_02.9B05.C29.o1.tm	Method	TBLASTX:Maize
Start	448	End	598
GI	none	Score	225
Exons	448..597, 452..598		

Seq. No.	11888	Seq. ID	OJ990430_02.9B05.C29
Gene No.	25221	Strand	-
Start	489	End	598
Name	OJ990430_02.9B05.C29.o1.gs	Method	GENSCAN
Start	489	End	560
GI	none	Score	.53
Exons	489..560		

Seq. No.	11889	Seq. ID	OJ990430_02.9B05.C33
Gene No.	25222	Strand	-
Start	1	End	746
Name	OJ990430_02.9B05.C33.o1.np	Method	AAT/NAP
Start	1	End	746
GI	166949	Score	136
Exons	1..240, 725..746		
GI Descrip.	(M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]		

Seq. No.	11889	Seq. ID	OJ990430_02.9B05.C33
Gene No.	25222	Strand	-
Start	1	End	746
Name	OJ990430_02.9B05.C33.o1.tm	Method	TBLASTX:Maize
Start	58	End	241
GI	none	Score	123
Exons	58..240, 59..241		

Seq. No.	11889	Seq. ID	OJ990430_02.9B05.C33
Gene No.	25222	Strand	-
Start	1	End	746
Name	OJ990430_02.9B05.C33.o1.gs	Method	GENSCAN
Start	109	End	237
GI	none	Score	.8
Exons	109..237		

Seq. No.	11890	Seq. ID	OJ990430_02.9B05.C34
Gene No.	25223	Strand	+
Start	45	End	355
Name	OJ990430_02.9B05.C34.o1.gs	Method	GENSCAN
Start	45	End	355
GI	none	Score	.72
Exons	45..224, 299..355		

Seq. No.	11891	Seq. ID	OJ990430_02.9B05.C37
Gene No.	25224	Strand	+
Start	1	End	399
Name	OJ990430_02.9B05.C37.o1.gp	Method	AAT/GAP
Start	1	End	112
GI	20862_1.R1084	Score	194
Exons	1..112		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-102 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'		

Seq. No.	11891	Seq. ID	OJ990430_02.9B05.C37
Gene No.	25224	Strand	+
Start	1	End	399
Name	OJ990430_02.9B05.C37.o1.np	Method	AAT/NAP
Start	1	End	399
GI	5263324	Score	149
Exons	1..112, 333..399		
GI Descrip.	(AC007727) Identical to gb|Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb|T76747 comes from this gene.		

Seq. No.	11891	Seq. ID	OJ990430_02.9B05.C37
Gene No.	25224	Strand	+
Start	1	End	399

Name	OJ990430_02.9B05.C37.o1.tm	Method	TBLASTX:Maize
Start	4	End	113
GI	none	Score	179
Exons	4..66, 5..112, 6..113		

Seq. No.	11891	Seq. ID	OJ990430_02.9B05.C37
Gene No.	25224	Strand	+
Start	1	End	399
Name	OJ990430_02.9B05.C37.o1.tc	Method	TBLASTX:Cress
Start	5	End	113
GI	none	Score	177
Exons	5..112, 6..113		

Seq. No.	11891	Seq. ID	OJ990430_02.9B05.C37
Gene No.	25224	Strand	+
Start	1	End	399
Name	OJ990430_02.9B05.C37.o1.ts	Method	TBLASTX:Soybean
Start	5	End	113
GI	none	Score	179
Exons	5..112, 6..113		

Seq. No.	11891	Seq. ID	OJ990430_02.9B05.C37
Gene No.	25224	Strand	+
Start	1	End	399
Name	OJ990430_02.9B05.C37.o1.gs	Method	GENSCAN
Start	60	End	112
GI	none	Score	1
Exons	60..112		

Seq. No.	11892	Seq. ID	OJ990430_02.9B05.C45
Gene No.	25225	Strand	-
Start	1	End	736
Name	OJ990430_02.9B05.C45.o1.np	Method	AAT/NAP
Start	1	End	736
GI	5295971	Score	735
Exons	1..736		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	11892	Seq. ID	OJ990430_02.9B05.C45
Gene No.	25225	Strand	-
Start	1	End	736
Name	OJ990430_02.9B05.C45.o2.tm	Method	TBLASTX:Maize
Start	67	End	255
GI	none	Score	65
Exons	67..255, 68..253		

Seq. No.	11892	Seq. ID	OJ990430_02.9B05.C45
Gene No.	25225	Strand	-
Start	1	End	736
Name	OJ990430_02.9B05.C45.o1.gs	Method	GENSCAN
Start	110	End	591
GI	none	Score	.71
Exons	110..248, 300..591		

Seq. No.	11892	Seq. ID	OJ990430_02.9B05.C45

Gene No.	25225	Strand	-
Start	1	End	736
Name	OJ990430_02.9B05.C45.o1.tw	Method	TBLASTX:Wheat
Start	148	End	687
GI	none	Score	81
Exons	148..354, 343..687, 380..532,	557..670	

Seq. No.	11892	Seq. ID	OJ990430_02.9B05.C45
Gene No.	25225	Strand	-
Start	1	End	736
Name	OJ990430_02.9B05.C45.o1.tm	Method	TBLASTX:Maize
Start	256	End	688
GI	none	Score	121
Exons	256..687, 377..532, 460..534,	557..688,	618..653

Seq. No.	11892	Seq. ID	OJ990430_02.9B05.C45
Gene No.	25225	Strand	-
Start	1	End	736
Name	OJ990430_02.9B05.C45.o1.ts	Method	TBLASTX:Soybean
Start	358	End	730
GI	5509260	Score	136
Exons	358..729, 377..535, 566..730		
GI Descrip.	-		

Seq. No.	11892	Seq. ID	OJ990430_02.9B05.C45
Gene No.	25225	Strand	-
Start	1	End	736
Name	OJ990430_02.9B05.C45.o1.tc	Method	TBLASTX:Cress
Start	469	End	733
GI	none	Score	83
Exons	469..732, 478..717, 488..733		

Seq. No.	11893	Seq. ID	OJ990430_02.9B05.C46
Gene No.	25226	Strand	+
Start	1	End	508
Name	OJ990430_02.9B05.C46.o1.np	Method	AAT/NAP
Start	1	End	508
GI	2827621	Score	130
Exons	1..220, 330..508		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	11893	Seq. ID	OJ990430_02.9B05.C46
Gene No.	25227	Strand	-
Start	291	End	442
Name	OJ990430_02.9B05.C46.o1.tm	Method	TBLASTX:Maize
Start	128	End	442
GI	none	Score	99
Exons	128..220, 130..195, 138..218,	327..437,	327..437, 329..442

Seq. No.	11893	Seq. ID	OJ990430_02.9B05.C46
Gene No.	25227	Strand	-
Start	291	End	442
Name	OJ990430_02.9B05.C46.o1.gs	Method	GENSCAN
Start	291	End	438
GI	none	Score	.51
Exons	291..438		

Seq. No.	11894	Seq. ID	OJ990430_02.9B05.C47
Gene No.	25228	Strand	-
Start	252	End	333
Name	OJ990430_02.9B05.C47.o1.gp	Method	AAT/GAP
Start	252	End	333
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	252..333		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11895	Seq. ID	OJ990430_02.9B05.C48
Gene No.	25229	Strand	+
Start	1	End	665
Name	OJ990430_02.9B05.C48.o1.np	Method	AAT/NAP
Start	1	End	665
GI	5042463	Score	129
Exons	1..78, 533..665		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	11895	Seq. ID	OJ990430_02.9B05.C48
Gene No.	25230	Strand	-
Start	386	End	526
Name	OJ990430_02.9B05.C48.o1.gs	Method	GENSCAN
Start	386	End	526
GI	none	Score	.71
Exons	386..526		

Seq. No.	11896	Seq. ID	OJ990430_02.9B05.C50
Gene No.	25231	Strand	+
Start	255	End	885
Name	OJ990430_02.9B05.C50.o1.gs	Method	GENSCAN
Start	255	End	714
GI	none	Score	.42
Exons	255..293, 607..714		

Seq. No.	11896	Seq. ID	OJ990430_02.9B05.C50
Gene No.	25231	Strand	+
Start	255	End	885
Name	OJ990430_02.9B05.C50.o1.gp	Method	AAT/GAP
Start	354	End	885
GI	1848_1.R1084	Score	995
Exons	354..885		
GI Descrip.	'4406764/gb|AAD20075| 2.0e-09 (AC006836) putative uridylyl transferase [Arabidopsis thaliana]'		

Seq. No.	11896	Seq. ID	OJ990430_02.9B05.C50
Gene No.	25232	Strand	-
Start	651	End	1143
Name	OJ990430_02.9B05.C50.o1.np	Method	AAT/NAP
Start	651	End	1143
GI	4406764	Score	285
Exons	651..1143		
GI Descrip.	(AC006836) putative uridylyl transferase [Arabidopsis thaliana]		

Seq. No.	11896	Seq. ID	OJ990430_02.9B05.C50
Gene No.	25232	Strand	-

Start	651	End	1143
Name	OJ990430_02.9B05.C50.o1.tm	Method	TBLASTX:Maize
Start	712	End	966
GI	none	Score	254
Exons	712..966, 756..965		

Seq. No.	11896	Seq. ID	OJ990430_02.9B05.C50
Gene No.	25232	Strand	-
Start	651	End	1143
Name	OJ990430_02.9B05.C50.o1.tc	Method	TBLASTX:Cress
Start	762	End	966
GI	none	Score	113
Exons	762..965, 778..966		

Seq. No.	11896	Seq. ID	OJ990430_02.9B05.C50
Gene No.	25232	Strand	-
Start	651	End	1143
Name	OJ990430_02.9B05.C50.o1.ts	Method	TBLASTX:Soybean
Start	799	End	966
GI	none	Score	162
Exons	799..966, 799..963, 801..965		

Seq. No.	11897	Seq. ID	OJ990430_02.9B05.C51
Gene No.	25233	Strand	-
Start	1	End	411
Name	OJ990430_02.9B05.C51.o1.np	Method	AAT/NAP
Start	1	End	411
GI	6539581	Score	189
Exons	1..411		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	11897	Seq. ID	OJ990430_02.9B05.C51
Gene No.	25233	Strand	-
Start	1	End	411
Name	OJ990430_02.9B05.C51.o1.gs	Method	GENSCAN
Start	90	End	271
GI	none	Score	.94
Exons	90..271		

Seq. No.	11898	Seq. ID	OJ990430_02.9B05.C52
Gene No.	25234	Strand	-
Start	462	End	516
Name	OJ990430_02.9B05.C52.o1.gs	Method	GENSCAN
Start	462	End	516
GI	none	Score	.88
Exons	462..516		

Seq. No.	11899	Seq. ID	OJ990430_02.9B05.C54
Gene No.	25235	Strand	+
Start	192	End	281
Name	OJ990430_02.9B05.C54.o1.gs	Method	GENSCAN
Start	192	End	281
GI	none	Score	.59
Exons	192..281		

Seq. No.	11900	Seq. ID	OJ990430_02.9B05.C59

Gene No.	25236	Strand	-
Start	1	End	846
Name	OJ990430_02.9B05.C59.o1.gp	Method	AAT/GAP
Start	1	End	846
GI	58661_1.R1084	Score	703
Exons	1..41, 333..435, 578..846		
GI Descrip.	'2281115/gb|AAC78267.1|AAC78267 1.0e-74 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]'		

Seq. No.	11900	Seq. ID	OJ990430_02.9B05.C59
Gene No.	25236	Strand	-
Start	1	End	846
Name	OJ990430_02.9B05.C59.o1.np	Method	AAT/NAP
Start	1	End	708
GI	2281115	Score	274
Exons	1..22, 336..435, 578..708		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	11900	Seq. ID	OJ990430_02.9B05.C59
Gene No.	25236	Strand	-
Start	1	End	846
Name	OJ990430_02.9B05.C59.o2.tm	Method	TBLASTX:Maize
Start	329	End	449
GI	none	Score	62
Exons	329..373, 333..434, 334..438, 417..449		

Seq. No.	11900	Seq. ID	OJ990430_02.9B05.C59
Gene No.	25236	Strand	-
Start	1	End	846
Name	OJ990430_02.9B05.C59.o1.gs	Method	GENSCAN
Start	336	End	770
GI	none	Score	.9
Exons	336..435, 578..770		

Seq. No.	11900	Seq. ID	OJ990430_02.9B05.C59
Gene No.	25236	Strand	-
Start	1	End	846
Name	OJ990430_02.9B05.C59.o1.ts	Method	TBLASTX:Soybean
Start	360	End	706
GI	none	Score	78
Exons	360..434, 571..681, 571..705, 578..706		

Seq. No.	11900	Seq. ID	OJ990430_02.9B05.C59
Gene No.	25236	Strand	-
Start	1	End	846
Name	OJ990430_02.9B05.C59.o1.tm	Method	TBLASTX:Maize
Start	571	End	711
GI	none	Score	128
Exons	571..711, 576..650, 578..709		

Seq. No.	11901	Seq. ID	OJ990430_02.9B05.C60
Gene No.	25237	Strand	-
Start	27	End	636
Name	OJ990430_02.9B05.C60.o1.gs	Method	GENSCAN
Start	27	End	636
GI	none	Score	.97
Exons	27..107, 447..636		

Seq. No.	11902	Seq. ID	OJ990330_04.9B22.C1
Gene No.	25238	Strand	+
Start	304	End	791
Name	OJ990330_04.9B22.C1.o1.np	Method	AAT/NAP
Start	304	End	791
GI	6862937	Score	436
Exons	304..791		
GI Descrip.	(AC019018) putative lipase [Arabidopsis thaliana]		

Seq. No.	11902	Seq. ID	OJ990330_04.9B22.C1
Gene No.	25238	Strand	+
Start	304	End	791
Name	OJ990330_04.9B22.C1.o1.gs	Method	GENSCAN
Start	340	End	717
GI	none	Score	.96
Exons	340..717		

Seq. No.	11902	Seq. ID	OJ990330_04.9B22.C1
Gene No.	25239	Strand	-
Start	259	End	460
Name	OJ990330_04.9B22.C1.o1.gp	Method	AAT/GAP
Start	259	End	460
GI	none	Score	376
Exons	259..460		

Seq. No.	11902	Seq. ID	OJ990330_04.9B22.C1
Gene No.	25240	Strand	
Start	379	End	791
Name	OJ990330_04.9B22.C1.o1.ts	Method	TBLASTX:Soybean
Start	379	End	791
GI	none	Score	41
Exons	379..411, 403..498, 516..623, 517..750, 517..636, 761..790, 762..791		

Seq. No.	11902	Seq. ID	OJ990330_04.9B22.C1
Gene No.	25240	Strand	
Start	379	End	791
Name	OJ990330_04.9B22.C1.o1.tc	Method	TBLASTX:Cress
Start	403	End	791
GI	none	Score	105
Exons	403..519, 507..623, 508..750, 762..791		

Seq. No.	11903	Seq. ID	OJ990330_04.9B22.C2
Gene No.	25241	Strand	+
Start	1	End	472
Name	OJ990330_04.9B22.C2.o1.np	Method	AAT/NAP
Start	1	End	430
GI	6862937	Score	442
Exons	1..430		
GI Descrip.	(AC019018) putative lipase [Arabidopsis thaliana]		

Seq. No.	11903	Seq. ID	OJ990330_04.9B22.C2
Gene No.	25241	Strand	+
Start	1	End	472
Name	OJ990330_04.9B22.C2.o1.gs	Method	GENSCAN
Start	44	End	472

GI	none	Score	.99
Exons	44..472		
Seq. No.	11903	Seq. ID	OJ990330_04.9B22.C2
Gene No.	25242	Strand	-
Start	1708	End	2259
Name	OJ990330_04.9B22.C2.o2.gs	Method	GENSCAN
Start	1708	End	2259
GI	none	Score	.92
Exons	1708..1845, 2152..2259		
Seq. No.	11903	Seq. ID	OJ990330_04.9B22.C2
Gene No.	25243	Strand	-
Start	3176	End	6101
Name	OJ990330_04.9B22.C2.o1.tm	Method	TBLASTX:Maize
Start	13	End	370
GI	none	Score	291
Exons	13..255, 32..370, 104..358		
Seq. No.	11903	Seq. ID	OJ990330_04.9B22.C2
Gene No.	25243	Strand	-
Start	3176	End	6101
Name	OJ990330_04.9B22.C2.o1.ts	Method	TBLASTX:Soybean
Start	26	End	406
GI	none	Score	458
Exons	26..382, 29..406		
Seq. No.	11903	Seq. ID	OJ990330_04.9B22.C2
Gene No.	25243	Strand	-
Start	3176	End	6101
Name	OJ990330_04.9B22.C2.o1.tc	Method	TBLASTX:Cress
Start	56	End	406
GI	none	Score	86
Exons	56..154, 208..252, 209..406, 272..382		
Seq. No.	11903	Seq. ID	OJ990330_04.9B22.C2
Gene No.	25243	Strand	-
Start	3176	End	6101
Name	OJ990330_04.9B22.C2.o3.gs	Method	GENSCAN
Start	3176	End	6101
GI	none	Score	.75
Exons	3176..3396, 6002..6101		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25244	Strand	+
Start	1218	End	1349
Name	OJ990330_04.9B22.C3.o1.gs	Method	GENSCAN
Start	1218	End	1349
GI	none	Score	.93
Exons	1218..1349		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25245	Strand	+
Start	12363	End	15218
Name	OJ990330_04.9B22.C3.o4.gs	Method	GENSCAN
Start	12363	End	15218
GI	none	Score	.51

Exons	12363..12486, 12584..12657, 13482..15218		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25245	Strand	+
Start	12363	End	15218
Name	OJ990330_04.9B22.C3.o1.np	Method	AAT/NAP
Start	13701	End	15173
GI	4415923	Score	878
Exons	13701..15173		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25246	Strand	-
Start	1576	End	5012
Name	OJ990330_04.9B22.C3.o2.gs	Method	GENSCAN
Start	1576	End	5012
GI	none	Score	.65
Exons	1576..1698, 3003..3021, 4942..5012		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25247	Strand	-
Start	5770	End	8641
Name	OJ990330_04.9B22.C3.o3.gs	Method	GENSCAN
Start	5770	End	8641
GI	none	Score	.54
Exons	5770..5934, 6141..6192, 6251..6386, 7108..7405, 8636..8641		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25248	Strand	-
Start	11332	End	11795
Name	OJ990330_04.9B22.C3.o1.gp	Method	AAT/GAP
Start	11332	End	11795
GI	LIB3431-022-P1-K1-E6	Score	835
Exons	11332..11795		
GI Descrip.	'1245938/gb|S80361|S80361 1.0e-10 rabClC-2 beta=chloride channel ClC-2G isoform [rabbits, heart atrium, mRNA, 2998 nt]'		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25249	Strand	-
Start	17588	End	19830
Name	OJ990330_04.9B22.C3.o1.tc	Method	TBLASTX:Cress
Start	5851	End	14992
GI	none	Score	109
Exons	5851..5988, 14505..14693, 14762..14992, 14763..14942		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25249	Strand	-
Start	17588	End	19830
Name	OJ990330_04.9B22.C3.o1.ts	Method	TBLASTX:Soybean
Start	5863	End	14942
GI	none	Score	92
Exons	5863..5976, 14328..14672, 14534..14671, 14759..14941, 14763..14942		
Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25249	Strand	-
Start	17588	End	19830

Name	OJ990330_04.9B22.C3.o2.tc	Method	TBLASTX:Cress
Start	6703	End	7207
GI	none	Score	97
Exons	6703..6810, 6929..7207		

Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25249	Strand	-
Start	17588	End	19830
Name	OJ990330_04.9B22.C3.o2.ts	Method	TBLASTX:Soybean
Start	6703	End	7351
GI	none	Score	148
Exons	6703..6822, 6717..6782, 6949..7137, 6950..7144, 7162..7338, 7163..7351		

Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25249	Strand	-
Start	17588	End	19830
Name	OJ990330_04.9B22.C3.o1.tm	Method	TBLASTX:Maize
Start	6732	End	7356
GI	none	Score	96
Exons	6732..6779, 6733..6810, 6956..7153, 7048..7224, 7163..7354, 7183..7356		

Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25249	Strand	-
Start	17588	End	19830
Name	OJ990330_04.9B22.C3.o1.tw	Method	TBLASTX:Wheat
Start	14607	End	14932
GI	none	Score	65
Exons	14607..14693, 14759..14932, 14763..14930		

Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25249	Strand	-
Start	17588	End	19830
Name	OJ990330_04.9B22.C3.o2.tm	Method	TBLASTX:Maize
Start	14655	End	14948
GI	none	Score	46
Exons	14655..14708, 14759..14947, 14763..14948		

Seq. No.	11904	Seq. ID	OJ990330_04.9B22.C3
Gene No.	25249	Strand	-
Start	17588	End	19830
Name	OJ990330_04.9B22.C3.o5.gs	Method	GENSCAN
Start	17588	End	19830
GI	none	Score	.41
Exons	17588..17605, 18147..18338, 19751..19830		

Seq. No.	11905	Seq. ID	OJ990330_04.9B22.C4
Gene No.	25250	Strand	+
Start	268	End	3897
Name	OJ990330_04.9B22.C4.o1.gs	Method	GENSCAN
Start	268	End	3897
GI	none	Score	.79
Exons	268..424, 1298..1454, 3408..3897		

Seq. No.	11905	Seq. ID	OJ990330_04.9B22.C4
Gene No.	25251	Strand	-

Start	1247	End	1536
Name	OJ990330_04.9B22.C4.o1.np	Method	AAT/NAP
Start	1247	End	1536
GI	6899921	Score	82
Exons	1247..1536		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	11905	Seq. ID	OJ990330_04.9B22.C4
Gene No.	25252	Strand	-
Start	2298	End	4032
Name	OJ990330_04.9B22.C4.o2.np	Method	AAT/NAP
Start	2298	End	4032
GI	3641661	Score	420
Exons	2298..2360, 3527..4032		
GI Descrip.	(AB008519) high affinity nitrate transporter [Oryza sativa]		

Seq. No.	11905	Seq. ID	OJ990330_04.9B22.C4
Gene No.	25252	Strand	-
Start	2298	End	4032
Name	OJ990330_04.9B22.C4.o3.np	Method	AAT/NAP
Start	2541	End	4032
GI	2501495	Score	98
Exons	2541..2563, 3810..4032		
GI Descrip.	FLAVONOL 3-O-GLUCOSYLTRANSFERASE 6 (UDP-GLUCOSE FLAVONOID 3-O-GLUCOSYLTRANSFERASE 6) gi|542016|pir||S41952 UTP-glucose glucosyltransferase - cassava (fragment) gi|453251|emb|CAA54613| (X77463) UTP-glucose glucosyltransferase [Manihot esculenta]		

Seq. No.	11905	Seq. ID	OJ990330_04.9B22.C4
Gene No.	25252	Strand	-
Start	2298	End	4032
Name	OJ990330_04.9B22.C4.o1.tc	Method	TBLASTX:Cress
Start	3528	End	3841
GI	none	Score	223
Exons	3528..3800, 3529..3798, 3803..3841		

Seq. No.	11905	Seq. ID	OJ990330_04.9B22.C4
Gene No.	25252	Strand	-
Start	2298	End	4032
Name	OJ990330_04.9B22.C4.o1.ts	Method	TBLASTX:Soybean
Start	3528	End	3841
GI	none	Score	185
Exons	3528..3800, 3529..3798, 3803..3841		

Seq. No.	11905	Seq. ID	OJ990330_04.9B22.C4
Gene No.	25252	Strand	-
Start	2298	End	4032
Name	OJ990330_04.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	3528	End	3771
GI	none	Score	220
Exons	3528..3764, 3529..3771		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25253	Strand	+
Start	1331	End	1421
Name	OJ990330_04.9B22.C5.o1.gp	Method	AAT/GAP
Start	1331	End	1421

GI	5867_1.R1084	Score	131
Exons	1331..1421		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25254	Strand	+
Start	2542	End	3585
Name	OJ990330_04.9B22.C5.o2.gs	Method	GENSCAN
Start	2542	End	3585
GI	none	Score	.83
Exons	2542..2625, 3469..3585		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25255	Strand	+
Start	8243	End	9052
Name	OJ990330_04.9B22.C5.o4.gs	Method	GENSCAN
Start	8243	End	9052
GI	none	Score	.61
Exons	8243..8472, 8953..9052		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25256	Strand	+
Start	12132	End	12505
Name	OJ990330_04.9B22.C5.o2.gp	Method	AAT/GAP
Start	12132	End	12505
GI	2427387	Score	571
Exons	12132..12505		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25257	Strand	+
Start	14487	End	21424
Name	OJ990330_04.9B22.C5.o6.gs	Method	GENSCAN
Start	14487	End	21254
GI	none	Score	.53
Exons	14487..14713, 14828..15031, 15120..15313, 15336..15824, 15933..17574, 17737..18012, 18128..18306, 18445..19213, 19343..19376, 19571..20193, 20258..21254		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25257	Strand	+
Start	14487	End	21424
Name	OJ990330_04.9B22.C5.o3.np	Method	AAT/NAP
Start	15138	End	21424
GI	4544372	Score	1180
Exons	15138..15173, 18084..19283, 19343..19759, 19865..21424		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5

Gene No.	25258	Strand	-
Start	1	End	801
Name	OJ990330_04.9B22.C5.o1.np	Method	AAT/NAP
Start	1	End	801
GI	6630735	Score	287
Exons	1..574, 766..801		
GI Descrip.	(AL132958) glucosyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25258	Strand	-
Start	1	End	801
Name	OJ990330_04.9B22.C5.o1.gs	Method	GENSCAN
Start	78	End	529
GI	none	Score	.69
Exons	78..529		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25259	Strand	-
Start	3853	End	5528
Name	OJ990330_04.9B22.C5.o2.np	Method	AAT/NAP
Start	3853	End	5467
GI	6630735	Score	305
Exons	3853..3881, 5098..5467		
GI Descrip.	(AL132958) glucosyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25259	Strand	-
Start	3853	End	5528
Name	OJ990330_04.9B22.C5.o3.gs	Method	GENSCAN
Start	4560	End	5528
GI	none	Score	.51
Exons	4560..4676, 5118..5528		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25260	Strand	-
Start	11316	End	13445
Name	OJ990330_04.9B22.C5.o5.gs	Method	GENSCAN
Start	11316	End	13445
GI	none	Score	.95
Exons	11316..11744, 13308..13445		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25260	Strand	-
Start	11316	End	13445
Name	OJ990330_04.9B22.C5.o3.gp	Method	AAT/GAP
Start	12513	End	13392
GI	4107138	Score	1341
Exons	12513..13392		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o3.tm	Method	TBLASTX:Maize

Start	1726	End	2115
GI	none	Score	68
Exons	1726..1800, 1777..1872, 1786..2115, 1797..2042		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o3.ts	Method	TBLASTX:Soybean
Start	5103	End	5477
GI	none	Score	123
Exons	5103..5291, 5155..5295, 5385..5477		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o4.tm	Method	TBLASTX:Maize
Start	5106	End	5399
GI	none	Score	118
Exons	5106..5291, 5112..5288, 5155..5295, 5346..5399		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o2.tw	Method	TBLASTX:Wheat
Start	5124	End	5447
GI	none	Score	136
Exons	5124..5291, 5155..5295, 5361..5447		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o7.ts	Method	TBLASTX:Soybean
Start	17687	End	18028
GI	none	Score	194
Exons	17687..18028		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o6.ts	Method	TBLASTX:Soybean
Start	18378	End	18743
GI	none	Score	123
Exons	18378..18602, 18609..18743		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o1.tw	Method	TBLASTX:Wheat
Start	18540	End	18944
GI	none	Score	77
Exons	18540..18596, 18591..18944, 18599..18901, 18600..18944		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o2.tm	Method	TBLASTX:Maize
Start	18594	End	18812

GI	none	Score	292
Exons	18594..18812, 18594..18794, 18599..18811		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o1.tm	Method	TBLASTX:Maize
Start	18813	End	19271
GI	none	Score	526
Exons	18813..19271, 18813..19094, 18962..19270		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o5.tw	Method	TBLASTX:Wheat
Start	18945	End	19265
GI	none	Score	197
Exons	18945..19265, 18962..19225		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o2.ts	Method	TBLASTX:Soybean
Start	18960	End	19416
GI	none	Score	224
Exons	18960..19241, 18998..19135, 19241..19399, 19285..19416		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o1.ts	Method	TBLASTX:Soybean
Start	19580	End	19992
GI	none	Score	147
Exons	19580..19717, 19582..19713, 19738..19992, 19739..19990		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o4.tw	Method	TBLASTX:Wheat
Start	19625	End	20023
GI	none	Score	81
Exons	19625..19714, 19754..20023		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o5.tm	Method	TBLASTX:Maize
Start	20442	End	20822
GI	none	Score	81
Exons	20442..20600, 20598..20822		

Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o5.ts	Method	TBLASTX:Soybean
Start	20445	End	20843
GI	none	Score	231

Exons	20445..20843, 20549..20662		
Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o3.tw	Method	TBLASTX:Wheat
Start	20601	End	21014
GI	none	Score	212
Exons	20601..21014		
Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o4.ts	Method	TBLASTX:Soybean
Start	21193	End	21435
GI	none	Score	232
Exons	21193..21357, 21197..21430, 21397..21435		
Seq. No.	11906	Seq. ID	OJ990330_04.9B22.C5
Gene No.	25261	Strand	-
Start	21855	End	24930
Name	OJ990330_04.9B22.C5.o7.gs	Method	GENSCAN
Start	21855	End	24930
GI	none	Score	.75
Exons	21855..22568, 22617..22727, 22933..23373, 23452..24325, 24387..24930		
Seq. No.	11907	Seq. ID	OJ990330_04.9B22.C6
Gene No.	25262	Strand	-
Start	290	End	340
Name	OJ990330_04.9B22.C6.o1.gs	Method	GENSCAN
Start	290	End	340
GI	none	Score	.81
Exons	290..340		
Seq. No.	11908	Seq. ID	OJ990330_04.9B22.C8
Gene No.	25263	Strand	
Start	3	End	323
Name	OJ990330_04.9B22.C8.o1.tm	Method	TBLASTX:Maize
Start	3	End	323
GI	none	Score	212
Exons	3..80, 5..250, 9..323		
Seq. No.	11909	Seq. ID	OJ990330_04.9B22.C12
Gene No.	25264	Strand	+
Start	935	End	1221
Name	OJ990330_04.9B22.C12.o1.gp	Method	AAT/GAP
Start	935	End	1221
GI	2310221	Score	533
Exons	935..1221		
Seq. No.	11909	Seq. ID	OJ990330_04.9B22.C12
Gene No.	25264	Strand	+
Start	935	End	1221
Name	OJ990330_04.9B22.C12.o1.tm	Method	TBLASTX:Maize
Start	976	End	1200
GI	none	Score	93

Exons	976..1074, 1011..1136, 1012..1200, 1050..1160		
Seq. No.	11909	Seq. ID	OJ990330_04.9B22.C12
Gene No.	25264	Strand	+
Start	935	End	1221
Name	OJ990330_04.9B22.C12.o1.gs	Method	GENSCAN
Start	1000	End	1119
GI	none	Score	.83
Exons	1000..1119		
Seq. No.	11909	Seq. ID	OJ990330_04.9B22.C12
Gene No.	25264	Strand	+
Start	935	End	1221
Name	OJ990330_04.9B22.C12.o1.np	Method	AAT/NAP
Start	1009	End	1221
GI	6730740	Score	128
Exons	1009..1221		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		
Seq. No.	11910	Seq. ID	OJ990330_04.9B22.C13
Gene No.	25265	Strand	+
Start	42	End	142
Name	OJ990330_04.9B22.C13.o1.gp	Method	AAT/GAP
Start	42	End	142
GI	none	Score	176
Exons	42..142		
Seq. No.	11910	Seq. ID	OJ990330_04.9B22.C13
Gene No.	25266	Strand	-
Start	2682	End	6966
Name	OJ990330_04.9B22.C13.o2.gs	Method	GENSCAN
Start	2682	End	6961
GI	none	Score	.59
Exons	2682..2859, 3134..3293, 3694..3886, 5283..6266, 6841..6961		
Seq. No.	11910	Seq. ID	OJ990330_04.9B22.C13
Gene No.	25266	Strand	-
Start	2682	End	6966
Name	OJ990330_04.9B22.C13.o2.gp	Method	AAT/GAP
Start	4979	End	5471
GI	19301_1.R1084	Score	913
Exons	4979..5471		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	11910	Seq. ID	OJ990330_04.9B22.C13
Gene No.	25266	Strand	-
Start	2682	End	6966
Name	OJ990330_04.9B22.C13.o2.tm	Method	TBLASTX:Maize
Start	5652	End	5924
GI	none	Score	210
Exons	5652..5924, 5682..5921		
Seq. No.	11910	Seq. ID	OJ990330_04.9B22.C13
Gene No.	25266	Strand	-
Start	2682	End	6966

Name	OJ990330_04.9B22.C13.o1.tm	Method	TBLASTX:Maize
Start	5935	End	6267
GI	none	Score	69
Exons	5935..5982, 5937..5981, 5986..6048, 6000..6080, 6002..6049, 6052..6255, 6060..6266, 6061..6267		

Seq. No.	11910	Seq. ID	OJ990330_04.9B22.C13
Gene No.	25266	Strand	-
Start	2682	End	6966
Name	OJ990330_04.9B22.C13.o1.np	Method	AAT/NAP
Start	6736	End	6966
GI	4874303	Score	93
Exons	6736..6966		
GI Descrip.	(AC006053) putative transcription elongation factor S-II [Arabidopsis thaliana]		

Seq. No.	11910	Seq. ID	OJ990330_04.9B22.C13
Gene No.	25266	Strand	-
Start	2682	End	6966
Name	OJ990330_04.9B22.C13.o3.tm	Method	TBLASTX:Maize
Start	6831	End	6964
GI	none	Score	138
Exons	6831..6962, 6836..6964, 6838..6963		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25267	Strand	+
Start	8358	End	9151
Name	OJ990330_04.9B22.C14.o4.gp	Method	AAT/GAP
Start	8358	End	9151
GI	none	Score	975
Exons	8358..8554, 8815..9151		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25268	Strand	+
Start	15229	End	15713
Name	OJ990330_04.9B22.C14.o5.gp	Method	AAT/GAP
Start	15229	End	15713
GI	uC-osflcyp020d01b1	Score	954
Exons	15229..15713		
GI Descrip.	'1514643/emb|CAA94437| 3.0e-65 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]'		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25269	Strand	-
Start	576	End	3139
Name	OJ990330_04.9B22.C14.o1.np	Method	AAT/NAP
Start	576	End	2967
GI	4874303	Score	487
Exons	576..764, 990..1091, 1179..1556, 1648..2128, 2204..2967		
GI Descrip.	(AC006053) putative transcription elongation factor S-II [Arabidopsis thaliana]		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25269	Strand	-
Start	576	End	3139
Name	OJ990330_04.9B22.C14.o1.gs	Method	GENSCAN
Start	963	End	3139

GI	none	Score	.7
Exons	963..1591, 1678..3139		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25269	Strand	-
Start	576	End	3139
Name	OJ990330_04.9B22.C14.o1.gp	Method	AAT/GAP
Start	1056	End	1479
GI	none	Score	788
Exons	1056..1479		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25269	Strand	-
Start	576	End	3139
Name	OJ990330_04.9B22.C14.o2.gp	Method	AAT/GAP
Start	1555	End	1903
GI	LIB3475-003-P1-K2-H5	Score	562
Exons	1555..1903		
GI Descrip.	'4874303/gb|AAD31365.1|AC006053_7 2.0e-09 (AC006053) putative transcription elongation factor [Arabidopsis thaliana]'		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25269	Strand	-
Start	576	End	3139
Name	OJ990330_04.9B22.C14.o3.gp	Method	AAT/GAP
Start	1981	End	2450
GI	4715646	Score	933
Exons	1981..2450		
GI Descrip.	4874303/gb|AAD31365.1|AC006053_7 2.0e-09 (AC006053) putative transcription elongation factor [Arabidopsis thaliana]		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25270	Strand	-
Start	11903	End	18326
Name	OJ990330_04.9B22.C14.o3.gs	Method	GENSCAN
Start	11903	End	18316
GI	none	Score	.9
Exons	11903..12163, 12255..12509, 12605..12776, 12866..13093, 13178..13311, 13400..13483, 13570..13860, 13937..14269, 14356..14474, 14556..14678, 14764..14926, 15013..15116, 15185..15662, 15743..16024, 16105..16406, 16504..16594, 16678..16728, 16833..16909, 16996..17155, 17285..17369, 17454..17542, 17659..17779, 17985..18316		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25270	Strand	-
Start	11903	End	18326
Name	OJ990330_04.9B22.C14.o2.np	Method	AAT/NAP
Start	11906	End	18326
GI	1514643	Score	5487
Exons	11906..12163, 12255..12509, 12605..12776, 12866..13093, 13178..13311, 13400..13483, 13570..13860, 13937..14269, 14356..14483, 14580..14678, 14764..14912, 15005..15116, 15185..15662, 15743..16024, 16105..16406, 16504..16594, 16678..16728, 16833..16909, 16996..17155, 17285..17369, 17454..17542, 17659..17779, 17985..18316		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o6.tm	Method	TBLASTX:Maize
Start	1021	End	1358
GI	none	Score	121
Exons	1021..1191, 1023..1193, 1023..1175, 1172..1294, 1172..1294, 1185..1358, 1186..1320		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o4.tm	Method	TBLASTX:Maize
Start	1443	End	1852
GI	none	Score	140
Exons	1443..1631, 1445..1630, 1446..1631, 1672..1725, 1699..1740, 1700..1732, 1732..1842, 1736..1852, 1739..1852		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o1.ts	Method	TBLASTX:Soybean
Start	11891	End	16398
GI	none	Score	76
Exons	11891..12058, 11904..12059, 12054..12164, 12071..12163, 12255..12353, 12258..12356, 12274..12363, 12417..12521, 12418..12513, 12428..12517, 12602..12778, 12603..12773, 12868..13095, 12875..13096, 13177..13308, 13181..13303, 13395..13475, 13400..13486, 13566..13619, 13567..13863, 13568..13861, 13705..13863, 13934..14272, 13938..14273, 13965..14273, 14347..14466, 14360..14434, 14799..14906, 14813..14908, 15008..15112, 15013..15114, 15016..15114, 15162..15386, 15163..15378, 15201..15380, 15339..15497, 16207..16290, 16300..16398		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o1.tm	Method	TBLASTX:Maize
Start	11900	End	13486
GI	none	Score	69
Exons	11900..11935, 11901..12020, 11993..12034, 12059..12181, 12078..12161, 12258..12347, 12262..12363, 12417..12521, 12602..12778, 12603..12764, 12868..13095, 12875..13072, 13174..13302, 13177..13308, 13205..13309, 13205..13312, 13395..13475, 13400..13486		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o2.tc	Method	TBLASTX:Cress
Start	11904	End	16374
GI	none	Score	69
Exons	11904..11960, 12051..12164, 12074..12163, 12250..12363, 12255..12350, 12417..12521, 12593..12721, 12602..12778, 12615..12764, 12874..13095, 12875..13090, 13177..13302,		

13178..13303, 13400..13486, 13425..13475, 13501..13659,
13559..13660, 15034..15111, 15339..15497, 16207..16290,
16300..16374

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o4.tw	Method	TBLASTX:Wheat
Start	12072	End	12350
GI	none	Score	99
Exons	12072..12161, 12077..12160, 12081..12161, 12252..12350		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o2.tw	Method	TBLASTX:Wheat
Start	12417	End	15518
GI	none	Score	49
Exons	12417..12506, 15082..15114, 15083..15112, 15186..15518, 15199..15507		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o3.tw	Method	TBLASTX:Wheat
Start	12602	End	12768
GI	none	Score	169
Exons	12602..12763, 12603..12764, 12603..12764, 12604..12768		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o1.tw	Method	TBLASTX:Wheat
Start	12865	End	13699
GI	none	Score	128
Exons	12865..13095, 12866..13096, 13174..13302, 13177..13308, 13181..13309, 13400..13471, 13400..13486, 13567..13698, 13571..13699		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o5.tm	Method	TBLASTX:Maize
Start	13559	End	13723
GI	none	Score	146
Exons	13559..13723, 13567..13722		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o1.tc	Method	TBLASTX:Cress
Start	13660	End	17155
GI	none	Score	169
Exons	13660..13821, 13685..13816, 13813..13860, 13836..13859, 13940..14269, 13944..14270, 14348..14482, 14359..14493, 17024..17155		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o2.tm	Method	TBLASTX:Maize
Start	13754	End	17497
GI	none	Score	83
Exons	13754..13861, 13756..13818, 13833..13862, 13934..14269, 13938..14270, 13963..14331, 14347..14424, 17294..17368, 17456..17497		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o7.tm	Method	TBLASTX:Maize
Start	15357	End	15528
GI	none	Score	113
Exons	15357..15527, 15358..15528		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o4.tc	Method	TBLASTX:Cress
Start	15498	End	15800
GI	none	Score	63
Exons	15498..15665, 15499..15666, 15734..15799, 15744..15800		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o2.ts	Method	TBLASTX:Soybean
Start	15734	End	16206
GI	none	Score	145
Exons	15734..16027, 15750..16025, 16099..16206, 16100..16204		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o3.tc	Method	TBLASTX:Cress
Start	15899	End	16206
GI	none	Score	57
Exons	15899..16027, 15911..16027, 16099..16206, 16100..16204		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o3.tm	Method	TBLASTX:Maize
Start	16186	End	16595
GI	none	Score	254
Exons	16186..16416, 16187..16408, 16189..16440, 16502..16582, 16503..16595		

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o3.ts	Method	TBLASTX:Soybean
Start	17662	End	18226
GI	none	Score	99

Exons 17662..17787, 17663..17794, 17978..18115, 18116..18226

Seq. No.	11911	Seq. ID	OJ990330_04.9B22.C14
Gene No.	25271	Strand	-
Start	18606	End	18891
Name	OJ990330_04.9B22.C14.o4.gs	Method	GENSCAN
Start	18606	End	18891
GI	none	Score	.63
Exons	18606..18745, 18838..18891		

Seq. No.	11912	Seq. ID	OJ990330_04.9B22.C15
Gene No.	25272	Strand	+
Start	292	End	846
Name	OJ990330_04.9B22.C15.o1.gs	Method	GENSCAN
Start	292	End	846
GI	none	Score	.97
Exons	292..313, 583..649, 699..846		

Seq. No.	11912	Seq. ID	OJ990330_04.9B22.C15
Gene No.	25273	Strand	-
Start	1163	End	3292
Name	OJ990330_04.9B22.C15.o2.gs	Method	GENSCAN
Start	1163	End	3111
GI	none	Score	.94
Exons	1163..1474, 1996..2076, 2466..2531, 2670..2738, 3058..3111		

Seq. No.	11912	Seq. ID	OJ990330_04.9B22.C15
Gene No.	25273	Strand	-
Start	1163	End	3292
Name	OJ990330_04.9B22.C15.o1.tm	Method	TBLASTX:Maize
Start	1972	End	3292
GI	none	Score	81
Exons	1972..2082, 1991..2083, 2294..2365, 2294..2362, 2451..2549, 2466..2546, 2470..2559, 2669..2740, 2670..2741, 2680..2739, 3055..3108, 3058..3117, 3245..3292		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25274	Strand	-
Start	936	End	3800
Name	OJ990330_04.9B22.C16.o1.gs	Method	GENSCAN
Start	936	End	3800
GI	none	Score	.56
Exons	936..942, 1596..1999, 2069..2167, 3011..3409, 3687..3800		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25274	Strand	-
Start	936	End	3800
Name	OJ990330_04.9B22.C16.o1.gp	Method	AAT/GAP
Start	1651	End	3250
GI	42383_1.R1084	Score	1297
Exons	1651..1999, 2069..2167, 3011..3250		
GI Descrip.	'3776057/emb|CAA15498| 1.0e-09 (AL008725) dJ148E22.2 (similar to PAB1) [Homo sapiens]'		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25274	Strand	-
Start	936	End	3800

Name	OJ990330_04.9B22.C16.o1.np	Method	AAT/NAP
Start	2069	End	3148
GI	322514	Score	69
Exons	2069..2167, 3008..3148		
GI Descrip.	glycine-rich RNA-binding protein (clone A81) - Arabidopsis thaliana (fragment) gi|829254|emb|CAA49174| (X69377) glycine-rich RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o2.tm	Method	TBLASTX:Maize
Start	166	End	3118
GI	none	Score	76
Exons	166..219, 169..228, 352..420, 356..424, 356..421, 1596..1619, 1596..1631, 1597..1629, 1658..1699, 1666..1722, 1669..1725, 1688..1723, 1738..1770, 1738..1890, 1740..1895, 1742..1858, 1786..1893, 1914..1991, 1948..2001, 2069..2173, 2070..2168, 3008..3118, 3008..3118		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o2.tw	Method	TBLASTX:Wheat
Start	1744	End	3062
GI	none	Score	143
Exons	1744..1860, 1744..1860, 1834..1911, 1861..1902, 1914..1949, 1953..1991, 1953..1997, 2046..2168, 2069..2170, 2069..2173, 3008..3061, 3009..3062		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o1.tm	Method	TBLASTX:Maize
Start	2674	End	8019
GI	none	Score	62
Exons	2674..2973, 5320..5394, 5381..5410, 5516..5659, 5523..5720, 5527..5724, 5719..5925, 5735..5923, 6441..6605, 6441..6794, 6442..6795, 6861..7016, 6871..7014, 7094..7363, 7096..7365, 7096..7365, 7608..8015, 7611..7676, 7612..8019		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o2.gs	Method	GENSCAN
Start	4610	End	7964
GI	none	Score	.64
Exons	4610..4995, 5550..5739, 5761..5922, 6444..6527, 6870..7013, 7096..7362, 7611..7964		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o2.gp	Method	AAT/GAP
Start	5235	End	6701
GI	18345_1.R1084	Score	1009
Exons	5235..5336, 5622..5922, 6444..6701		

GI Descrip. '4138583/emb|CAA71785| 1.0e-70 (Y10821) plastidic ATP/ADP-transporter [Solanum tuberosum]'

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o2.np	Method	AAT/NAP
Start	5557	End	8026
GI	6226239	Score	1841
Exons	5557..5922, 6444..6791, 6870..7013, 7096..7362, 7611..8026		
GI Descrip.	PLASTIDIC ATP/ADP-TRANSPORTER gi|4138583|emb|CAA71785| (Y10821) plastidic ATP/ADP-transporter [Solanum tuberosum]		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o1.ts	Method	TBLASTX:Soybean
Start	5588	End	8021
GI	none	Score	37
Exons	5588..5626, 5677..5925, 5738..5923, 5770..5925, 6416..6532, 6426..6575, 6439..6789, 6441..6794, 6642..6812, 6861..7016, 6874..7014, 6887..7027, 7090..7365, 7136..7366, 7139..7363, 7144..7371, 7608..7676, 7608..8015, 7612..7734, 7840..8016, 7902..8021		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o1.tc	Method	TBLASTX:Cress
Start	5620	End	8019
GI	none	Score	251
Exons	5620..5655, 5701..5925, 5738..5923, 6428..6529, 6439..6789, 6441..6794, 6861..7016, 6874..7014, 7145..7225, 7181..7225, 7228..7365, 7229..7363, 7608..8015, 7612..7734, 7840..8019		

Seq. No.	11913	Seq. ID	OJ990330_04.9B22.C16
Gene No.	25275	Strand	-
Start	4610	End	8026
Name	OJ990330_04.9B22.C16.o1.tw	Method	TBLASTX:Wheat
Start	6519	End	7042
GI	none	Score	322
Exons	6519..6794, 6523..6795, 6861..7025, 6871..7011, 6872..7042		

Seq. No.	11914	Seq. ID	OJ990330_04.9B22.C17
Gene No.	25276	Strand	-
Start	1	End	97
Name	OJ990330_04.9B22.C17.o1.gp	Method	AAT/GAP
Start	1	End	97
GI	36737_1.R1084	Score	177
Exons	1..97		
GI Descrip.	'4138583/emb|CAA71785| 2.0e-22 (Y10821) plastidic ATP/ADP-transporter [Solanum tuberosum]'		

Seq. No.	11914	Seq. ID	OJ990330_04.9B22.C17
Gene No.	25277	Strand	-
Start	1802	End	2896
Name	OJ990330_04.9B22.C17.o1.gs	Method	GENSCAN

Start	1802	End	2896
GI	none	Score	.54
Exons	1802..1930, 2141..2344, 2711..2896		

Seq. No.	11915	Seq. ID	OJ990330_04.9B22.C18
Gene No.	25278	Strand	-
Start	163	End	287
Name	OJ990330_04.9B22.C18.o1.gs	Method	GENSCAN
Start	163	End	287
GI	none	Score	.85
Exons	163..287		

Seq. No.	11916	Seq. ID	OJ990330_04.9B22.C19
Gene No.	25279	Strand	+
Start	45	End	611
Name	OJ990330_04.9B22.C19.o1.tw	Method	TBLASTX:Wheat
Start	9	End	176
GI	none	Score	218
Exons	9..176, 23..115		

Seq. No.	11916	Seq. ID	OJ990330_04.9B22.C19
Gene No.	25279	Strand	+
Start	45	End	611
Name	OJ990330_04.9B22.C19.o1.gs	Method	GENSCAN
Start	45	End	611
GI	none	Score	.8
Exons	45..611		

Seq. No.	11917	Seq. ID	OJ990330_04.9B22.C20
Gene No.	25280	Strand	+
Start	1	End	1352
Name	OJ990330_04.9B22.C20.o1.np	Method	AAT/NAP
Start	1	End	1352
GI	6453853	Score	645
Exons	1..136, 234..365, 435..583, 1313..1352		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	11917	Seq. ID	OJ990330_04.9B22.C20
Gene No.	25280	Strand	+
Start	1	End	1352
Name	OJ990330_04.9B22.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	566
GI	none	Score	255
Exons	1..135, 2..139, 3..149, 32..91, 231..380, 231..302, 231..365, 236..367, 417..551, 432..566, 433..552, 434..550, 459..518		

Seq. No.	11917	Seq. ID	OJ990330_04.9B22.C20
Gene No.	25280	Strand	+
Start	1	End	1352
Name	OJ990330_04.9B22.C20.o1.tc	Method	TBLASTX:Cress
Start	2	End	566
GI	none	Score	239
Exons	2..139, 3..149, 4..135, 231..359, 231..356, 236..361, 327..368, 432..566, 456..518		

Seq. No.	11917	Seq. ID	OJ990330_04.9B22.C20

Gene No.	25280	Strand	+
Start	1	End	1352
Name	OJ990330_04.9B22.C20.o1.ts	Method	TBLASTX:Soybean
Start	32	End	599
GI	none	Score	59
Exons	32..91, 210..380, 242..370, 417..599, 434..586		

Seq. No.	11917	Seq. ID	OJ990330_04.9B22.C20
Gene No.	25280	Strand	+
Start	1	End	1352
Name	OJ990330_04.9B22.C20.o1.gs	Method	GENSCAN
Start	234	End	365
GI	none	Score	.99
Exons	234..365		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25281	Strand	+
Start	1	End	6310
Name	OJ990330_04.9B22.C21.o1.np	Method	AAT/NAP
Start	1	End	5409
GI	6453853	Score	1815
Exons	1..89, 479..667, 1337..1477, 1568..1642, 1731..1907, 2001..2092, 2173..2289, 2365..2479, 2561..2632, 3799..3995, 4095..4189, 4512..4618, 4892..5047, 5247..5409		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25281	Strand	+
Start	1	End	6310
Name	OJ990330_04.9B22.C21.o1.gs	Method	GENSCAN
Start	479	End	5418
GI	none	Score	.89
Exons	479..667, 1337..1477, 1568..1642, 1731..1907, 2001..2092, 2173..2289, 2365..2470, 2561..2632, 4512..4618, 4892..5027, 5269..5418		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25281	Strand	+
Start	1	End	6310
Name	OJ990330_04.9B22.C21.o1.gp	Method	AAT/GAP
Start	1740	End	2236
GI	LIB3475-001-P1-K2-C6	Score	568
Exons	1740..1907, 2001..2092, 2173..2236		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 3.0e-43 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25281	Strand	+
Start	1	End	6310
Name	OJ990330_04.9B22.C21.o2.gp	Method	AAT/GAP
Start	2448	End	6310
GI	17063_1.R1084	Score	2329
Exons	2448..2479, 2561..2632, 3799..3995, 4095..4189, 4512..4618, 4892..5027, 5269..5437, 5747..5812, 5893..6310		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 2.0e-40 (AC009322) Putative		

coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o1.ts	Method	TBLASTX:Soybean
Start	21	End	5403
GI	none	Score	113
Exons	21..89, 26..85, 442..687, 476..667, 1331..1477, 1335..1475, 1336..1476, 1346..1477, 1559..1657, 1564..1668, 1568..1642, 1725..1913, 1776..1913, 1796..1915, 1814..1915, 1998..2090, 2003..2092, 2014..2091, 2170..2304, 2171..2302, 2174..2353, 2362..2475, 2363..2479, 2363..2479, 2558..2647, 2563..2652, 3786..3995, 3796..3993, 3806..4000, 4093..4119, 4109..4192, 4111..4191, 4509..4583, 4511..4597, 4512..4625, 4890..4991, 4904..4978, 5004..5033, 5263..5403		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o2.tw	Method	TBLASTX:Wheat
Start	499	End	1477
GI	none	Score	260
Exons	499..669, 500..667, 505..669, 1334..1477, 1336..1473		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o1.tm	Method	TBLASTX:Maize
Start	584	End	6052
GI	none	Score	133
Exons	584..667, 584..667, 1331..1477, 1331..1474, 1336..1476, 1564..1641, 1568..1642, 1725..1913, 1732..1893, 1814..1918, 1987..2091, 1998..2090, 1998..2096, 1999..2091, 2000..2092, 2003..2119, 2170..2304, 2172..2357, 2312..2470, 2332..2490, 2363..2479, 2558..2647, 2559..2600, 2563..2652, 3756..3995, 3785..4000, 3785..3880, 3786..3995, 3923..4030, 4093..4119, 4107..4190, 4109..4198, 4109..4192, 4508..4600, 4510..4626, 4512..4625, 4884..4988, 4888..4992, 4890..5003, 4986..5030, 4999..5028, 5242..5325, 5242..5322, 5248..5337, 5275..5328, 5317..5406, 5317..5388, 5337..5411, 5348..5395, 5745..5834, 5924..5986, 5990..6052		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o1.tc	Method	TBLASTX:Cress
Start	1298	End	2488
GI	none	Score	206
Exons	1298..1468, 1331..1477, 1336..1476, 1564..1668, 1568..1642, 1725..1913, 1780..1875, 1820..1915, 1841..1915, 1990..2052, 1998..2054, 2003..2056, 2020..2064, 2040..2090, 2170..2289, 2177..2287, 2363..2449, 2363..2476, 2444..2488		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-

Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o1.tw	Method	TBLASTX:Wheat
Start	1567	End	2481
GI	none	Score	125
Exons	1567..1641, 1568..1642, 1568..1642, 1572..1664, 1573..1665, 1725..1913, 1728..1871, 1735..1872, 1817..1915, 1998..2090, 1999..2082, 2000..2134, 2003..2137, 2170..2289, 2171..2284, 2312..2479, 2320..2481, 2363..2476		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o2.tc	Method	TBLASTX:Cress
Start	3889	End	4997
GI	none	Score	138
Exons	3889..3993, 3892..3981, 3906..3995, 4093..4119, 4109..4192, 4111..4191, 4511..4600, 4512..4625, 4842..4892, 4889..4969, 4890..4997		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o3.tw	Method	TBLASTX:Wheat
Start	3918	End	4992
GI	none	Score	116
Exons	3918..3995, 3919..3993, 4093..4119, 4109..4192, 4109..4183, 4111..4191, 4511..4597, 4512..4619, 4515..4619, 4522..4620, 4874..4975, 4890..4991, 4915..4992		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o2.gs	Method	GENSCAN
Start	5661	End	8602
GI	none	Score	.46
Exons	5661..5829, 7245..7358, 7857..7920, 8007..8133, 8453..8602		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o3.gp	Method	AAT/GAP
Start	6700	End	8793
GI	10522_1.R1084	Score	2023
Exons	6700..7358, 7857..7920, 8007..8133, 8453..8602, 8688..8793		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	11918	Seq. ID	OJ990330_04.9B22.C21
Gene No.	25282	Strand	-
Start	5661	End	8793
Name	OJ990330_04.9B22.C21.o2.tm	Method	TBLASTX:Maize
Start	7028	End	8793
GI	none	Score	54
Exons	7028..7096, 7032..7088, 7116..7175, 7119..7187, 7253..7300, 7255..7299, 7257..7334, 7279..7338, 7890..7913, 7892..7918, 7988..8128, 7988..8119, 8007..8147, 8454..8504, 8455..8577,		

8456..8509, 8499..8522, 8530..8604, 8576..8608, 8582..8608, 8700..8792, 8701..8793

Seq. No.	11919	Seq. ID	OJ990330_04.9B22.C22
Gene No.	25283	Strand	-
Start	265	End	7236
Name	OJ990330_04.9B22.C22.o1.gp	Method	AAT/GAP
Start	265	End	715
GI	10522_1.R1084	Score	636
Exons	265..453, 550..715		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	11919	Seq. ID	OJ990330_04.9B22.C22
Gene No.	25283	Strand	-
Start	265	End	7236
Name	OJ990330_04.9B22.C22.o1.gs	Method	GENSCAN
Start	283	End	7236
GI	none	Score	.92
Exons	283..453, 550..1041, 1193..1747, 2190..2339, 4213..4388, 4771..4911, 5045..5161, 5219..5513, 6463..6482, 7176..7236		

Seq. No.	11919	Seq. ID	OJ990330_04.9B22.C22
Gene No.	25283	Strand	-
Start	265	End	7236
Name	OJ990330_04.9B22.C22.o2.tm	Method	TBLASTX:Maize
Start	283	End	1000
GI	none	Score	74
Exons	283..348, 283..453, 296..454, 548..796, 617..796, 618..797, 619..798, 796..858, 816..860, 936..995, 938..1000, 940..999		

Seq. No.	11919	Seq. ID	OJ990330_04.9B22.C22
Gene No.	25283	Strand	-
Start	265	End	7236
Name	OJ990330_04.9B22.C22.o1.np	Method	AAT/NAP
Start	706	End	4869
GI	4584540	Score	421
Exons	706..809, 876..1053, 1308..1478, 1515..1745, 1890..1958, 2045..2106, 2190..2288, 4729..4869		
GI Descrip.	(AL049608) putative protein [Arabidopsis thaliana]		

Seq. No.	11919	Seq. ID	OJ990330_04.9B22.C22
Gene No.	25283	Strand	-
Start	265	End	7236
Name	OJ990330_04.9B22.C22.o3.tm	Method	TBLASTX:Maize
Start	1197	End	1529
GI	none	Score	56
Exons	1197..1256, 1198..1251, 1202..1252, 1246..1524, 1304..1357, 1304..1351, 1337..1528, 1338..1529		

Seq. No.	11919	Seq. ID	OJ990330_04.9B22.C22
Gene No.	25283	Strand	-
Start	265	End	7236
Name	OJ990330_04.9B22.C22.o1.tm	Method	TBLASTX:Maize
Start	1530	End	4884
GI	none	Score	72

Exons	1530..1601, 1531..1674, 1532..1675, 1537..1674, 1657..1749, 1676..1750, 1679..1747, 1859..1960, 1862..1900, 1891..1959, 1899..1961, 1900..1983, 1901..1969, 2045..2107, 2047..2109, 2047..2106, 2152..2271, 2161..2304, 2190..2291, 2417..2503, 2424..2510, 2425..2484, 4769..4846, 4771..4857, 4771..4884		

Seq. No.	11919	Seq. ID	OJ990330_04.9B22.C22
Gene No.	25283	Strand	-
Start	265	End	7236
Name	OJ990330_04.9B22.C22.o1.ts	Method	TBLASTX:Soybean
Start	1892	End	2493
GI	none	Score	61
Exons	1892..1960, 1899..1961, 2045..2107, 2047..2106, 2170..2271, 2190..2270, 2190..2291, 2197..2277, 2417..2485, 2428..2487, 2428..2493		

Seq. No.	11920	Seq. ID	OJ990330_04.9B22.C23
Gene No.	25284	Strand	+
Start	276	End	1551
Name	OJ990330_04.9B22.C23.o1.gs	Method	GENSCAN
Start	276	End	1551
GI	none	Score	.4
Exons	276..404, 1545..1551		

Seq. No.	11921	Seq. ID	OJ990330_04.9B22.C24
Gene No.	25285	Strand	+
Start	942	End	2316
Name	OJ990330_04.9B22.C24.o1.np	Method	AAT/NAP
Start	942	End	2316
GI	6815109	Score	164
Exons	942..975, 2115..2316		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11921	Seq. ID	OJ990330_04.9B22.C24
Gene No.	25286	Strand	+
Start	2410	End	2571
Name	OJ990330_04.9B22.C24.o2.np	Method	AAT/NAP
Start	2410	End	2571
GI	6815109	Score	142
Exons	2410..2571		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11922	Seq. ID	OJ990330_04.9B22.C26
Gene No.	25287	Strand	+
Start	1394	End	1925
Name	OJ990330_04.9B22.C26.o1.np	Method	AAT/NAP
Start	1394	End	1925
GI	6721543	Score	98
Exons	1394..1522, 1886..1925		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11922	Seq. ID	OJ990330_04.9B22.C26
Gene No.	25287	Strand	+
Start	1394	End	1925
Name	OJ990330_04.9B22.C26.o1.gp	Method	AAT/GAP
Start	1408	End	1810
GI	7406_1.R1084	Score	655

Exons	1408..1810		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	11922	Seq. ID	OJ990330_04.9B22.C26
Gene No.	25288	Strand	-
Start	1346	End	1540
Name	OJ990330_04.9B22.C26.o1.gs	Method	GENSCAN
Start	1346	End	1540
GI	none	Score	.47
Exons	1346..1540		

Seq. No.	11923	Seq. ID	OJ990330_04.9B22.C27
Gene No.	25289	Strand	-
Start	668	End	1645
Name	OJ990330_04.9B22.C27.o1.np	Method	AAT/NAP
Start	668	End	1493
GI	5441880	Score	695
Exons	668..902, 1018..1149, 1396..1493		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11923	Seq. ID	OJ990330_04.9B22.C27
Gene No.	25289	Strand	-
Start	668	End	1645
Name	OJ990330_04.9B22.C27.o1.gs	Method	GENSCAN
Start	700	End	1645
GI	none	Score	.6
Exons	700..902, 907..954, 1018..1149, 1250..1305, 1396..1493, 1525..1645		

Seq. No.	11924	Seq. ID	OJ990330_04.9B22.C28
Gene No.	25290	Strand	-
Start	1	End	771
Name	OJ990330_04.9B22.C28.o1.np	Method	AAT/NAP
Start	1	End	771
GI	5441880	Score	270
Exons	1..104, 691..771		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11924	Seq. ID	OJ990330_04.9B22.C28
Gene No.	25290	Strand	-
Start	1	End	771
Name	OJ990330_04.9B22.C28.o1.gs	Method	GENSCAN
Start	13	End	522
GI	none	Score	.53
Exons	13..104, 196..522		

Seq. No.	11925	Seq. ID	OJ990330_04.9B22.C29
Gene No.	25291	Strand	+
Start	1	End	506
Name	OJ990330_04.9B22.C29.o1.np	Method	AAT/NAP
Start	1	End	506
GI	5042454	Score	336

Exons	1..506		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	11925	Seq. ID	OJ990330_04.9B22.C29
Gene No.	25292	Strand	-
Start	42	End	429
Name	OJ990330_04.9B22.C29.o1.gs	Method	GENSCAN
Start	42	End	429
GI	none	Score	.51
Exons	42..189, 243..298, 322..429		
Seq. No.	11926	Seq. ID	OJ990330_04.9B22.C31
Gene No.	25293	Strand	-
Start	1	End	270
Name	OJ990330_04.9B22.C31.o1.np	Method	AAT/NAP
Start	1	End	270
GI	4206309	Score	109
Exons	1..270		
GI Descrip.	(AF049112) prpol [Zea mays]		
Seq. No.	11926	Seq. ID	OJ990330_04.9B22.C31
Gene No.	25293	Strand	-
Start	1	End	270
Name	OJ990330_04.9B22.C31.o1.gs	Method	GENSCAN
Start	69	End	102
GI	none	Score	.94
Exons	69..102		
Seq. No.	11927	Seq. ID	OJ990330_04.9B22.C33
Gene No.	25294	Strand	+
Start	1	End	685
Name	OJ990330_04.9B22.C33.o1.np	Method	AAT/NAP
Start	1	End	685
GI	5441880	Score	1103
Exons	1..685		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	11927	Seq. ID	OJ990330_04.9B22.C33
Gene No.	25294	Strand	+
Start	1	End	685
Name	OJ990330_04.9B22.C33.o1.gs	Method	GENSCAN
Start	98	End	595
GI	none	Score	.87
Exons	98..184, 354..595		
Seq. No.	11927	Seq. ID	OJ990330_04.9B22.C33
Gene No.	25295	Strand	+
Start	595	End	685
Name	OJ990330_04.9B22.C33.o1.gp	Method	AAT/GAP
Start	595	End	685
GI	5701669	Score	178
Exons	595..685		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11928	Seq. ID	OJ990330_04.9B22.C36
Gene No.	25296	Strand	-
Start	96	End	128
Name	OJ990330_04.9B22.C36.o1.gs	Method	GENSCAN
Start	96	End	128
GI	none	Score	.94
Exons	96..128		

Seq. No.	11929	Seq. ID	OJ990330_04.9B22.C37
Gene No.	25297	Strand	
Start	2	End	265
Name	OJ990330_04.9B22.C37.o1.tm	Method	TBLASTX:Maize
Start	2	End	265
GI	none	Score	217
Exons	2..265, 3..263		

Seq. No.	11930	Seq. ID	OJ990330_04.9B22.C38
Gene No.	25298	Strand	+
Start	1	End	1529
Name	OJ990330_04.9B22.C38.o1.np	Method	AAT/NAP
Start	1	End	1007
GI	6721543	Score	133
Exons	1..76, 889..1007		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11930	Seq. ID	OJ990330_04.9B22.C38
Gene No.	25298	Strand	+
Start	1	End	1529
Name	OJ990330_04.9B22.C38.o1.gs	Method	GENSCAN
Start	567	End	1488
GI	none	Score	.49
Exons	567..1488		

Seq. No.	11930	Seq. ID	OJ990330_04.9B22.C38
Gene No.	25298	Strand	+
Start	1	End	1529
Name	OJ990330_04.9B22.C38.o2.np	Method	AAT/NAP
Start	1020	End	1529
GI	5441880	Score	894
Exons	1020..1529		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11930	Seq. ID	OJ990330_04.9B22.C38
Gene No.	25299	Strand	-
Start	1	End	128
Name	OJ990330_04.9B22.C38.o1.gp	Method	AAT/GAP
Start	1	End	128
GI	7406_1.R1084	Score	179
Exons	1..128		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	11931	Seq. ID	OJ990330_04.9B22.C40
Gene No.	25300	Strand	-

Start	105	End	368
Name	OJ990330_04.9B22.C40.o1.np	Method	AAT/NAP
Start	105	End	368
GI	6815053	Score	273
Exons	105..368		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	11932	Seq. ID	OJ990330_04.9B22.C45
Gene No.	25301	Strand	+
Start	1	End	123
Name	OJ990330_04.9B22.C45.o1.np	Method	AAT/NAP
Start	1	End	123
GI	3176661	Score	91
Exons	1..123		
GI Descrip.	(AC004393) Similar to putative DNA polymerase gb|M29683 from S. cerevisiae. [Arabidopsis thaliana]		

Seq. No.	11933	Seq. ID	OJ990330_04.9B22.C50
Gene No.	25302	Strand	+
Start	1	End	320
Name	OJ990330_04.9B22.C50.o1.np	Method	AAT/NAP
Start	1	End	320
GI	2623295	Score	118
Exons	1..148, 233..320		
GI Descrip.	(AC002409) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11934	Seq. ID	OJ990330_04.9B22.C53
Gene No.	25303	Strand	-
Start	1	End	478
Name	OJ990330_04.9B22.C53.o1.gp	Method	AAT/GAP
Start	1	End	478
GI	none	Score	396
Exons	1..135, 402..478		

Seq. No.	11935	Seq. ID	OJ990330_04.9B22.C54
Gene No.	25304	Strand	-
Start	1	End	591
Name	OJ990330_04.9B22.C54.o1.np	Method	AAT/NAP
Start	1	End	591
GI	2130051	Score	222
Exons	1..166, 243..294, 475..591		
GI Descrip.	xylose isomerase (EC 5.3.1.5) - barley gi|1296807|emb|CAA64544| (X95256) xylose isomerase [Hordeum vulgare] gi|1588664|prf||2209268A xylose isomerase [Hordeum vulgare]		

Seq. No.	11935	Seq. ID	OJ990330_04.9B22.C54
Gene No.	25304	Strand	-
Start	1	End	591
Name	OJ990330_04.9B22.C54.o1.gp	Method	AAT/GAP
Start	58	End	530
GI	9041_1.R1084	Score	299
Exons	58..166, 243..294, 475..530		
GI Descrip.	'2130052/pir||S65467 1.0e-112 xylose isomerase (EC 5.3.1.5) - barley >gi_1296809_emb_CAA64545_ (X95257) xylose isomerase [Hordeum vulgare]'		

Seq. No.	11935	Seq. ID	OJ990330_04.9B22.C54

Gene No.	25304	Strand	-
Start	1	End	591
Name	OJ990330_04.9B22.C54.o1.tm	Method	TBLASTX:Maize
Start	76	End	532
GI	none	Score	92
Exons	76..168, 85..168, 86..169, 241..294, 243..299, 245..298, 461..532, 474..530		

Seq. No.	11935	Seq. ID	OJ990330_04.9B22.C54
Gene No.	25304	Strand	-
Start	1	End	591
Name	OJ990330_04.9B22.C54.o1.tc	Method	TBLASTX:Cress
Start	85	End	532
GI	none	Score	82
Exons	85..168, 86..157, 102..170, 245..292, 249..299, 477..530, 479..532		

Seq. No.	11935	Seq. ID	OJ990330_04.9B22.C54
Gene No.	25304	Strand	-
Start	1	End	591
Name	OJ990330_04.9B22.C54.o1.ts	Method	TBLASTX:Soybean
Start	85	End	532
GI	none	Score	74
Exons	85..162, 85..168, 95..169, 96..170, 243..299, 245..298, 467..532, 474..530		

Seq. No.	11935	Seq. ID	OJ990330_04.9B22.C54
Gene No.	25304	Strand	-
Start	1	End	591
Name	OJ990330_04.9B22.C54.o1.gs	Method	GENSCAN
Start	87	End	530
GI	none	Score	.56
Exons	87..166, 243..294, 475..530		

Seq. No.	11936	Seq. ID	OJ990330_04.9B22.C55
Gene No.	25305	Strand	-
Start	1	End	165
Name	OJ990330_04.9B22.C55.o1.np	Method	AAT/NAP
Start	1	End	165
GI	2654088	Score	121
Exons	1..165		
GI Descrip.	(AF033118) potassium transporter [Arabidopsis thaliana] gi|2688979 (AF029876) high-affinity potassium transporter; AtKUP1p [Arabidopsis thaliana] gi|3150413|gb|AAC16965.1| (AC004165) high affinity K+ transporter (AtKUP1/AtKT1p) [Arabidopsis thaliana]		

Seq. No.	11937	Seq. ID	OJ990330_04.9B22.C56
Gene No.	25306	Strand	+
Start	1	End	55
Name	OJ990330_04.9B22.C56.o1.gp	Method	AAT/GAP
Start	1	End	55
GI	none	Score	96
Exons	1..55		

Seq. No.	11938	Seq. ID	OJ990330_04.9B22.C59
Gene No.	25307	Strand	+

Start	123	End	615
Name	OJ990330_04.9B22.C59.o1.gs	Method	GENSCAN
Start	123	End	615
GI	none	Score	.74
Exons	123..299, 532..615		

Seq. No.	11939	Seq. ID	OJ990330_04.9B22.C63
Gene No.	25308	Strand	+
Start	65	End	1210
Name	OJ990330_04.9B22.C63.o1.gs	Method	GENSCAN
Start	65	End	1041
GI	none	Score	.86
Exons	65..452, 559..1041		

Seq. No.	11939	Seq. ID	OJ990330_04.9B22.C63
Gene No.	25308	Strand	+
Start	65	End	1210
Name	OJ990330_04.9B22.C63.o1.gp	Method	AAT/GAP
Start	628	End	1151
GI	4715781	Score	1014
Exons	628..1151		

Seq. No.	11939	Seq. ID	OJ990330_04.9B22.C63
Gene No.	25308	Strand	+
Start	65	End	1210
Name	OJ990330_04.9B22.C63.o1.tm	Method	TBLASTX:Maize
Start	852	End	1210
GI	none	Score	172
Exons	852..1028, 853..1029, 1018..1206, 1019..1201, 1031..1210, 1032..1205, 1033..1206		

Seq. No.	11940	Seq. ID	OJ990330_04.9B22.C65
Gene No.	25309	Strand	+
Start	46	End	560
Name	OJ990330_04.9B22.C65.o1.gs	Method	GENSCAN
Start	46	End	560
GI	none	Score	.8
Exons	46..265, 400..560		

Seq. No.	11941	Seq. ID	OJ990330_04.9B22.C66
Gene No.	25310	Strand	+
Start	1	End	621
Name	OJ990330_04.9B22.C66.o1.np	Method	AAT/NAP
Start	1	End	621
GI	6453853	Score	149
Exons	1..39, 241..395, 492..621		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	11941	Seq. ID	OJ990330_04.9B22.C66
Gene No.	25310	Strand	+
Start	1	End	621
Name	OJ990330_04.9B22.C66.o1.ts	Method	TBLASTX:Soybean
Start	217	End	373
GI	none	Score	215
Exons	217..366, 239..373		

Seq. No.	11942	Seq. ID	OJ990330_04.9B22.C67
Gene No.	25311	Strand	-
Start	15	End	554
Name	OJ990330_04.9B22.C67.o1.gs	Method	GENSCAN
Start	15	End	554
GI	none	Score	.56
Exons	15..554		

Seq. No.	11943	Seq. ID	OJ990330_04.9B22.C69
Gene No.	25312	Strand	-
Start	211	End	358
Name	OJ990330_04.9B22.C69.o1.gs	Method	GENSCAN
Start	211	End	358
GI	none	Score	.75
Exons	211..358		

Seq. No.	11944	Seq. ID	OJ990330_04.9B22.C70
Gene No.	25313	Strand	+
Start	262	End	336
Name	OJ990330_04.9B22.C70.o1.gs	Method	GENSCAN
Start	262	End	336
GI	none	Score	.85
Exons	262..336		

Seq. No.	11945	Seq. ID	OJ990330_04.9B22.C72
Gene No.	25314	Strand	+
Start	32	End	120
Name	OJ990330_04.9B22.C72.o1.gs	Method	GENSCAN
Start	32	End	120
GI	none	Score	.45
Exons	32..120		

Seq. No.	11946	Seq. ID	OJ990520_01.9B12.C2
Gene No.	25315	Strand	+
Start	1	End	1238
Name	OJ990520_01.9B12.C2.o1.np	Method	AAT/NAP
Start	1	End	1238
GI	5852084	Score	68
Exons	1..33, 1141..1238		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	11947	Seq. ID	OJ990520_01.9B12.C5
Gene No.	25316	Strand	+
Start	1	End	207
Name	OJ990520_01.9B12.C5.o1.np	Method	AAT/NAP
Start	1	End	207
GI	1708191	Score	219
Exons	1..207		
GI Descrip.	HEXOSE CARRIER PROTEIN HEX6 gi|467319 (L08188) hexose carrier protein [Ricinus communis]		

Seq. No.	11947	Seq. ID	OJ990520_01.9B12.C5
Gene No.	25317	Strand	-
Start	20	End	165
Name	OJ990520_01.9B12.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	162
GI	none	Score	192

Exons	1..162, 3..140		
Seq. No.	11947	Seq. ID	OJ990520_01.9B12.C5
Gene No.	25317	Strand	-
Start	20	End	165
Name	OJ990520_01.9B12.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	162
GI	none	Score	179
Exons	1..162, 6..140		
Seq. No.	11947	Seq. ID	OJ990520_01.9B12.C5
Gene No.	25317	Strand	-
Start	20	End	165
Name	OJ990520_01.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	164
GI	none	Score	198
Exons	1..162, 3..164		
Seq. No.	11947	Seq. ID	OJ990520_01.9B12.C5
Gene No.	25317	Strand	-
Start	20	End	165
Name	OJ990520_01.9B12.C5.o1.tw	Method	TBLASTX:Wheat
Start	7	End	164
GI	none	Score	166
Exons	7..162, 12..164		
Seq. No.	11947	Seq. ID	OJ990520_01.9B12.C5
Gene No.	25317	Strand	-
Start	20	End	165
Name	OJ990520_01.9B12.C5.o1.gp	Method	AAT/GAP
Start	20	End	165
GI	3800_1.R1084	Score	266
Exons	20..165		
GI Descrip.	'1708191/sp|Q07423|HEX6_RICCO 2.0e-38 HEXOSE CARRIER PROTEIN HEX6 >gi_467319 (L08188) hexose carrier protein [Ricinus communis]'		
Seq. No.	11948	Seq. ID	OJ990520_01.9B12.C11
Gene No.	25318	Strand	
Start	546	End	1171
Name	OJ990520_01.9B12.C11.o1.ts	Method	TBLASTX:Soybean
Start	546	End	1170
GI	none	Score	110
Exons	546..632, 548..628, 876..1016, 877..1038, 1105..1170		
Seq. No.	11948	Seq. ID	OJ990520_01.9B12.C11
Gene No.	25318	Strand	
Start	546	End	1171
Name	OJ990520_01.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	560	End	1171
GI	none	Score	120
Exons	560..634, 561..638, 564..638, 871..1038, 876..1037, 1102..1170, 1103..1171, 1105..1170		
Seq. No.	11949	Seq. ID	OJ990520_01.9B12.C13
Gene No.	25319	Strand	+
Start	1	End	499

Name	OJ990520_01.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	499
GI	1708191	Score	544
Exons	1..499		
GI Descrip.	HEXOSE CARRIER PROTEIN HEX6 gi|467319 (L08188) hexose carrier protein [Ricinus communis]		

Seq. No.	11949	Seq. ID	OJ990520_01.9B12.C13
Gene No.	25319	Strand	+
Start	1	End	499
Name	OJ990520_01.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	499
GI	none	Score	189
Exons	1..177, 1..183, 2..187, 3..188, 178..498, 180..197, 185..499, 186..497, 187..498		

Seq. No.	11949	Seq. ID	OJ990520_01.9B12.C13
Gene No.	25319	Strand	+
Start	1	End	499
Name	OJ990520_01.9B12.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	489
GI	none	Score	185
Exons	1..174, 2..178, 181..489, 182..463		

Seq. No.	11949	Seq. ID	OJ990520_01.9B12.C13
Gene No.	25319	Strand	+
Start	1	End	499
Name	OJ990520_01.9B12.C13.o1.tc	Method	TBLASTX:Cress
Start	2	End	499
GI	none	Score	76
Exons	2..79, 2..82, 79..465, 80..499		

Seq. No.	11949	Seq. ID	OJ990520_01.9B12.C13
Gene No.	25319	Strand	+
Start	1	End	499
Name	OJ990520_01.9B12.C13.o1.gs	Method	GENSCAN
Start	101	End	425
GI	none	Score	.44
Exons	101..134, 153..425		

Seq. No.	11949	Seq. ID	OJ990520_01.9B12.C13
Gene No.	25319	Strand	+
Start	1	End	499
Name	OJ990520_01.9B12.C13.o1.gp	Method	AAT/GAP
Start	193	End	499
GI	LIB3431-037-P1-K1-G5	Score	563
Exons	193..499		
GI Descrip.	'1708191/sp|Q07423|HEX6_RICCO 4.0e-42 HEXOSE CARRIER PROTEIN HEX6 >gi 467319 (L08188) hexose carrier protein [Ricinus communis]'		

Seq. No.	11950	Seq. ID	OJ990520_01.9B12.C14
Gene No.	25320	Strand	-
Start	409	End	448
Name	OJ990520_01.9B12.C14.o1.gs	Method	GENSCAN
Start	409	End	448
GI	none	Score	.79

Exons	409..448		
Seq. No.	11951	Seq. ID	OJ990520_01.9B12.C15
Gene No.	25321	Strand	+
Start	98	End	244
Name	OJ990520_01.9B12.C15.o1.gs	Method	GENSCAN
Start	98	End	244
GI	none	Score	.49
Exons	98..244		
Seq. No.	11952	Seq. ID	OJ990520_01.9B12.C17
Gene No.	25322	Strand	+
Start	157	End	559
Name	OJ990520_01.9B12.C17.o1.gp	Method	AAT/GAP
Start	157	End	507
GI	none	Score	674
Exons	157..507		
Seq. No.	11952	Seq. ID	OJ990520_01.9B12.C17
Gene No.	25322	Strand	+
Start	157	End	559
Name	OJ990520_01.9B12.C17.o1.gs	Method	GENSCAN
Start	268	End	559
GI	none	Score	.8
Exons	268..559		
Seq. No.	11953	Seq. ID	OJ990520_01.9B12.C18
Gene No.	25323	Strand	-
Start	1	End	445
Name	OJ990520_01.9B12.C18.o1.gp	Method	AAT/GAP
Start	1	End	142
GI	LIB3431-037-P1-K1-G5	Score	241
Exons	1..142		
GI Descrip.	'1708191/sp|Q07423|HEX6_RICCO 4.0e-42 HEXOSE CARRIER PROTEIN HEX6 >gi_467319 (L08188) hexose carrier protein [Ricinus communis]'		
Seq. No.	11953	Seq. ID	OJ990520_01.9B12.C18
Gene No.	25323	Strand	-
Start	1	End	445
Name	OJ990520_01.9B12.C18.o1.np	Method	AAT/NAP
Start	1	End	445
GI	1708191	Score	462
Exons	1..445		
GI Descrip.	HEXOSE CARRIER PROTEIN HEX6 gi|467319 (L08188) hexose carrier protein [Ricinus communis]		
Seq. No.	11953	Seq. ID	OJ990520_01.9B12.C18
Gene No.	25323	Strand	-
Start	1	End	445
Name	OJ990520_01.9B12.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	399
GI	none	Score	147
Exons	1..255, 5..256, 256..399, 260..397		
Seq. No.	11953	Seq. ID	OJ990520_01.9B12.C18
Gene No.	25323	Strand	-

Start	1	End	445
Name	OJ990520_01.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	400
GI	none	Score	171
Exons	1..150, 2..148, 5..157, 6..149, 138..155, 147..398, 148..399, 152..397, 158..400		

Seq. No.	11953	Seq. ID	OJ990520_01.9B12.C18
Gene No.	25323	Strand	-
Start	1	End	445
Name	OJ990520_01.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	4	End	399
GI	none	Score	107
Exons	4..153, 5..154, 157..399, 161..397		

Seq. No.	11953	Seq. ID	OJ990520_01.9B12.C18
Gene No.	25323	Strand	-
Start	1	End	445
Name	OJ990520_01.9B12.C18.o1.gs	Method	GENSCAN
Start	201	End	372
GI	none	Score	.64
Exons	201..372		

Seq. No.	11954	Seq. ID	OJ990520_01.9B12.C20
Gene No.	25324	Strand	+
Start	268	End	5625
Name	OJ990520_01.9B12.C20.o1.gs	Method	GENSCAN
Start	268	End	5625
GI	none	Score	.47
Exons	268..384, 1628..1684, 2967..3095, 4425..4536, 5282..5461, 5499..5625		

Seq. No.	11955	Seq. ID	OJ990520_01.9B12.C21
Gene No.	25325	Strand	+
Start	92	End	228
Name	OJ990520_01.9B12.C21.o1.gs	Method	GENSCAN
Start	92	End	228
GI	none	Score	.99
Exons	92..228		

Seq. No.	11956	Seq. ID	OJ990520_01.9B12.C22
Gene No.	25326	Strand	-
Start	1801	End	2226
Name	OJ990520_01.9B12.C22.o1.gs	Method	GENSCAN
Start	1801	End	2226
GI	none	Score	.88
Exons	1801..2226		

Seq. No.	11957	Seq. ID	OJ990520_01.9B12.C23
Gene No.	25327	Strand	+
Start	1	End	2761
Name	OJ990520_01.9B12.C23.o1.np	Method	AAT/NAP
Start	1	End	2729
GI	115009	Score	230
Exons	1..131, 200..297, 389..462, 505..646, 844..957, 1039..1172, 1696..1784, 2023..2173, 2252..2320, 2638..2729		
GI Descrip.	8-AMINO-7-OXONONANOATE SYNTHASE (7-KETO-8-AMINO-PELARGONIC ACID		

SYNTHETASE) (7-KAP SYNTHETASE) (L-ALANINE--PIMELYL COA LIGASE) gi|98180|pir||JQ0512 8-amino-7-oxononanoate synthase (EC 2.3.1.47) - Bacillus sphaericus gi|142595 (M29291) 7-keto-8-aminopelargonic acid synthetase (bioF) [Bacillus sphaericus]

Seq. No.	11957	Seq. ID	OJ990520_01.9B12.C23
Gene No.	25327	Strand	+
Start	1	End	2761
Name	OJ990520_01.9B12.C23.o1.gs	Method	GENSCAN
Start	190	End	2761
GI	none	Score	.78
Exons	190..297, 389..577, 1039..1172, 2638..2761		

Seq. No.	11957	Seq. ID	OJ990520_01.9B12.C23
Gene No.	25328	Strand	-
Start	6452	End	6619
Name	OJ990520_01.9B12.C23.o1.tm	Method	TBLASTX:Maize
Start	386	End	1107
GI	none	Score	340
Exons	386..628, 388..627, 698..763, 723..764, 724..762, 725..763, 856..957, 858..956, 869..973, 869..958, 1039..1107, 1044..1106		

Seq. No.	11957	Seq. ID	OJ990520_01.9B12.C23
Gene No.	25328	Strand	-
Start	6452	End	6619
Name	OJ990520_01.9B12.C23.o1.ts	Method	TBLASTX:Soybean
Start	418	End	2704
GI	none	Score	258
Exons	418..615, 419..628, 419..616, 723..764, 724..762, 856..957, 858..956, 1038..1172, 1039..1170, 1691..1777, 1693..1773, 2021..2161, 2022..2183, 2238..2324, 2250..2339, 2633..2704		

Seq. No.	11957	Seq. ID	OJ990520_01.9B12.C23
Gene No.	25328	Strand	-
Start	6452	End	6619
Name	OJ990520_01.9B12.C23.o2.tm	Method	TBLASTX:Maize
Start	1705	End	2761
GI	none	Score	120
Exons	1705..1779, 1706..1783, 1709..1783, 2016..2183, 2021..2182, 2247..2324, 2248..2328, 2250..2339, 2622..2759, 2622..2759, 2633..2761		

Seq. No.	11957	Seq. ID	OJ990520_01.9B12.C23
Gene No.	25328	Strand	-
Start	6452	End	6619
Name	OJ990520_01.9B12.C23.o2.gs	Method	GENSCAN
Start	6452	End	6619
GI	none	Score	.95
Exons	6452..6619		

Seq. No.	11958	Seq. ID	OJ990520_01.9B12.C24
Gene No.	25329	Strand	-
Start	1	End	516
Name	OJ990520_01.9B12.C24.o1.np	Method	AAT/NAP
Start	1	End	195
GI	6911858	Score	100

Exons 1..195
GI Descrip. (AL138649) putative protein [Arabidopsis thaliana]

Seq. No. 11958 Seq. ID OJ990520_01.9B12.C24
Gene No. 25329 Strand -
Start 1 End 516
Name OJ990520_01.9B12.C24.o1.gs Method GENSCAN
Start 92 End 516
GI none Score .75
Exons 92..342, 420..516

Seq. No. 11959 Seq. ID OJ990520_01.9B12.C25
Gene No. 25330 Strand +
Start 2748 End 5540
Name OJ990520_01.9B12.C25.o1.gs Method GENSCAN
Start 2748 End 5540
GI none Score .76
Exons 2748..2903, 3453..3591, 3649..3762, 4406..4632, 4778..5018, 5272..5540

Seq. No. 11959 Seq. ID OJ990520_01.9B12.C25
Gene No. 25330 Strand +
Start 2748 End 5540
Name OJ990520_01.9B12.C25.o1.tm Method TBLASTX:Maize
Start 3266 End 5516
GI none Score 65
Exons 3266..3346, 3291..3338, 3430..3540, 3438..3566, 3447..3575, 4402..4635, 4402..4599, 4488..4634, 4775..5041, 4775..5026, 4786..5034, 5211..5516, 5222..5515

Seq. No. 11959 Seq. ID OJ990520_01.9B12.C25
Gene No. 25330 Strand +
Start 2748 End 5540
Name OJ990520_01.9B12.C25.o1.np Method AAT/NAP
Start 3294 End 5516
GI 1617036 Score 1068
Exons 3294..3335, 3453..3591, 4406..4632, 4778..5035, 5214..5516
GI Descrip. (Y08624) Ted2 [Vigna unguiculata]

Seq. No. 11959 Seq. ID OJ990520_01.9B12.C25
Gene No. 25330 Strand +
Start 2748 End 5540
Name OJ990520_01.9B12.C25.o1.tc Method TBLASTX:Cress
Start 4518 End 4980
GI none Score 78
Exons 4518..4634, 4555..4635, 4775..4978, 4786..4980

Seq. No. 11959 Seq. ID OJ990520_01.9B12.C25
Gene No. 25330 Strand +
Start 2748 End 5540
Name OJ990520_01.9B12.C25.o1.ts Method TBLASTX:Soybean
Start 4853 End 5035
GI none Score 246
Exons 4853..5035, 4855..5028

Seq. No. 11960 Seq. ID OJ990520_01.9B12.C26
Gene No. 25331 Strand -

Start	1	End	2182
Name	OJ990520_01.9B12.C26.o1.np	Method	AAT/NAP
Start	1	End	2182
GI	2245102	Score	733
Exons	1..891, 1072..1244, 2103..2182		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11960	Seq. ID	OJ990520_01.9B12.C26
Gene No.	25331	Strand	-
Start	1	End	2182
Name	OJ990520_01.9B12.C26.o1.gs	Method	GENSCAN
Start	188	End	2138
GI	none	Score	.82
Exons	188..891, 1072..1588, 1673..1767, 1880..2138		

Seq. No.	11960	Seq. ID	OJ990520_01.9B12.C26
Gene No.	25331	Strand	-
Start	1	End	2182
Name	OJ990520_01.9B12.C26.o1.tc	Method	TBLASTX:Cress
Start	475	End	848
GI	none	Score	90
Exons	475..573, 477..614, 624..719, 631..705, 765..848, 793..843		

Seq. No.	11960	Seq. ID	OJ990520_01.9B12.C26
Gene No.	25331	Strand	-
Start	1	End	2182
Name	OJ990520_01.9B12.C26.o1.gp	Method	AAT/GAP
Start	1064	End	1557
GI	286592	Score	746
Exons	1064..1557		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25332	Strand	+
Start	1	End	17375
Name	OJ990520_01.9B12.C27.o2.np	Method	AAT/NAP
Start	1	End	17369
GI	3386604	Score	689
Exons	1..79, 15766..16008, 16215..16973, 17190..17369		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25332	Strand	+
Start	1	End	17375
Name	OJ990520_01.9B12.C27.o1.gs	Method	GENSCAN
Start	478	End	3591
GI	none	Score	.61
Exons	478..628, 1169..1488, 2506..2701, 2720..3591		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25332	Strand	+
Start	1	End	17375
Name	OJ990520_01.9B12.C27.o1.np	Method	AAT/NAP
Start	499	End	3582
GI	1708191	Score	1703
Exons	499..628, 1169..1488, 2506..3582		
GI Descrip.	HEXOSE CARRIER PROTEIN HEX6 gi|467319 (L08188) hexose carrier protein [Ricinus communis]		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25332	Strand	+
Start	1	End	17375
Name	OJ990520_01.9B12.C27.o3.gs	Method	GENSCAN
Start	9324	End	9962
GI	none	Score	.52
Exons	9324..9530, 9795..9962		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25332	Strand	+
Start	1	End	17375
Name	OJ990520_01.9B12.C27.o4.gs	Method	GENSCAN
Start	13584	End	17375
GI	none	Score	.91
Exons	13584..13764, 13867..13985, 14260..14381, 15117..15210, 15386..15487, 15583..16008, 16215..16973, 17190..17375		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o1.tc	Method	TBLASTX:Cress
Start	547	End	3552
GI	none	Score	99
Exons	547..630, 561..629, 1161..1247, 1162..1242, 1222..1488, 1236..1484, 1303..1431, 2503..2646, 2505..2642, 2646..3536, 2647..3552		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o5.tm	Method	TBLASTX:Maize
Start	547	End	1431
GI	none	Score	108
Exons	547..630, 549..629, 1145..1240, 1162..1431, 1167..1421, 1174..1422		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o1.ts	Method	TBLASTX:Soybean
Start	550	End	3552
GI	none	Score	100
Exons	550..630, 1145..1219, 1162..1242, 1167..1229, 1189..1488, 1195..1488, 2503..2745, 2505..2741, 2748..3170, 2749..3171, 3180..3467, 3180..3551, 3181..3552		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o1.tm	Method	TBLASTX:Maize
Start	2502	End	3180
GI	none	Score	263
Exons	2502..2744, 2503..2754, 2505..2750, 2745..3179, 2747..2764, 2752..3180, 2753..3178, 2754..3179		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27

Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o4.tw	Method	TBLASTX:Wheat
Start	2818	End	3204
GI	none	Score	212
Exons	2818..3204		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o4.tm	Method	TBLASTX:Maize
Start	3180	End	3555
GI	none	Score	413
Exons	3180..3548, 3181..3555		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o1.tw	Method	TBLASTX:Wheat
Start	3211	End	3554
GI	none	Score	347
Exons	3211..3540, 3249..3554		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o3.tm	Method	TBLASTX:Maize
Start	4501	End	7522
GI	none	Score	72
Exons	4501..4581, 4523..4579, 4561..4689, 4579..4677, 4686..4724, 4688..4723, 4752..4811, 4753..4812, 4758..5153, 4768..5112, 4814..5113, 4818..5132, 5136..5228, 5184..5228, 5505..5714, 5505..5714, 5506..5715, 5507..5716, 7243..7290, 7244..7288, 7373..7522, 7394..7420, 7420..7521		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o2.gs	Method	GENSCAN
Start	4655	End	7521
GI	none	Score	.55
Exons	4655..4672, 4818..5225, 5505..5758, 7245..7521		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o3.ts	Method	TBLASTX:Soybean
Start	4685	End	7522
GI	none	Score	62
Exons	4685..4714, 4773..4832, 4774..4851, 4857..4949, 4861..4944, 5508..5714, 5508..5714, 5566..5715, 7394..7420, 7411..7509, 7456..7521, 7457..7522		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o5.tc	Method	TBLASTX:Cress

Start	4776	End	5060
GI	none	Score	36
Exons	4776..4814, 4809..4958, 4810..4836, 4810..4956, 4848..4958, 4989..5060		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o2.tw	Method	TBLASTX:Wheat
Start	5505	End	5715
GI	none	Score	179
Exons	5505..5714, 5506..5715		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o2.tc	Method	TBLASTX:Cress
Start	5517	End	5715
GI	none	Score	118
Exons	5517..5714, 5517..5714, 5572..5715		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25333	Strand	-
Start	4655	End	7522
Name	OJ990520_01.9B12.C27.o4.tc	Method	TBLASTX:Cress
Start	7391	End	7522
GI	none	Score	149
Exons	7391..7522, 7411..7521		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25334	Strand	
Start	15841	End	17354
Name	OJ990520_01.9B12.C27.o3.tc	Method	TBLASTX:Cress
Start	15841	End	16691
GI	none	Score	79
Exons	15841..15951, 16274..16528, 16281..16532, 16568..16687, 16569..16691		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25334	Strand	
Start	15841	End	17354
Name	OJ990520_01.9B12.C27.o2.tm	Method	TBLASTX:Maize
Start	16212	End	16907
GI	none	Score	383
Exons	16212..16556, 16212..16532, 16214..16540, 16557..16907, 16568..16894		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27
Gene No.	25334	Strand	
Start	15841	End	17354
Name	OJ990520_01.9B12.C27.o3.tw	Method	TBLASTX:Wheat
Start	16272	End	16700
GI	none	Score	67
Exons	16272..16355, 16287..16355, 16371..16538, 16376..16537, 16571..16696, 16572..16700		

Seq. No.	11961	Seq. ID	OJ990520_01.9B12.C27

Gene No.	25334	Strand	
Start	15841	End	17354
Name	OJ990520_01.9B12.C27.o2.ts	Method	TBLASTX:Soybean
Start	16350	End	17354
GI	none	Score	140
Exons	16350..16526, 16352..16525, 16571..16882, 16572..16889, 16944..16973, 17163..17261, 17268..17354		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25335	Strand	+
Start	5158	End	6510
Name	OJ990520_01.9B12.C29.o1.gp	Method	AAT/GAP
Start	5048	End	6510
GI	268_2.R1084	Score	2474
Exons	5048..5319, 5408..5751, 5847..6510		
GI Descrip.	'1235565/emb|CAA65456| 9.0e-98 (X96681) DNA-binding protein [Oryza sativa]'		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25335	Strand	+
Start	5158	End	6510
Name	OJ990520_01.9B12.C29.o1.np	Method	AAT/NAP
Start	5121	End	6236
GI	6634483	Score	1555
Exons	5121..5319, 5408..5751, 5847..6236		
GI Descrip.	(X96681) DNA-binding protein [Oryza sativa] gi|6635777|gb|AAF19980.1|AF211193_1 (AF211193) homeodomain-leucine zipper transcription factor [Oryza sativa]		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25335	Strand	+
Start	5158	End	6510
Name	OJ990520_01.9B12.C29.o2.gs	Method	GENSCAN
Start	5158	End	6239
GI	none	Score	.94
Exons	5158..5751, 5847..6239		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25336	Strand	+
Start	10107	End	10516
Name	OJ990520_01.9B12.C29.o2.np	Method	AAT/NAP
Start	7430	End	8855
GI	5852084	Score	75
Exons	7430..7477, 8772..8855		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25336	Strand	+
Start	10107	End	10516
Name	OJ990520_01.9B12.C29.o3.gs	Method	GENSCAN
Start	10107	End	10516
GI	none	Score	.66
Exons	10107..10331, 10400..10516		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25337	Strand	+
Start	12150	End	12422

Name	OJ990520_01.9B12.C29.o4.gs	Method	GENSCAN
Start	12150	End	12422
GI	none	Score	.53
Exons	12150..12422		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25338	Strand	-
Start	12623	End	16584
Name	OJ990520_01.9B12.C29.o1.tc	Method	TBLASTX:Cress
Start	5670	End	6152
GI	none	Score	121
Exons	5670..5750, 5674..5760, 5838..6026, 5846..5926, 6092..6151, 6093..6152		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25338	Strand	-
Start	12623	End	16584
Name	OJ990520_01.9B12.C29.o2.tm	Method	TBLASTX:Maize
Start	5670	End	5987
GI	none	Score	97
Exons	5670..5759, 5670..5750, 5674..5760, 5838..5927, 5849..5926, 5925..5987		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25338	Strand	-
Start	12623	End	16584
Name	OJ990520_01.9B12.C29.o1.ts	Method	TBLASTX:Soybean
Start	5674	End	6137
GI	none	Score	132
Exons	5674..5772, 5679..5759, 5846..5926, 5847..6026, 6084..6137, 6092..6136		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25338	Strand	-
Start	12623	End	16584
Name	OJ990520_01.9B12.C29.o5.gs	Method	GENSCAN
Start	12623	End	16403
GI	none	Score	.64
Exons	12623..12840, 13896..14187, 14678..14767, 14849..14973, 15459..15552, 16313..16403		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25338	Strand	-
Start	12623	End	16584
Name	OJ990520_01.9B12.C29.o1.tm	Method	TBLASTX:Maize
Start	13566	End	16441
GI	none	Score	39
Exons	13566..13607, 13567..13611, 13608..13646, 13610..13651, 13611..13652, 13735..13857, 13749..13850, 13753..13854, 13900..14187, 13901..14188, 14678..14767, 14678..14779, 14679..14768, 14680..14769, 14873..14929, 14874..14930, 14883..14933, 15458..15553, 15460..15552, 16313..16441, 16314..16436		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25338	Strand	-
Start	12623	End	16584

Name	OJ990520_01.9B12.C29.o3.np	Method	AAT/NAP
Start	13701	End	16584
GI	4263787	Score	410
Exons	13701..13747, 13884..14187, 14678..14767, 14849..14931, 15459..15552, 16313..16584		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25338	Strand	-
Start	12623	End	16584
Name	OJ990520_01.9B12.C29.o2.gp	Method	AAT/GAP
Start	13874	End	16360
GI	6990_1.R1084	Score	1155
Exons	13874..14187, 14678..14767, 14849..14931, 15459..15552, 16313..16360		
GI Descrip.	'4263787/gb|AAD15447| 1.0e-45 (AC006068) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11962	Seq. ID	OJ990520_01.9B12.C29
Gene No.	25338	Strand	-
Start	12623	End	16584
Name	OJ990520_01.9B12.C29.o1.tw	Method	TBLASTX:Wheat
Start	14683	End	16436
GI	none	Score	114
Exons	14683..14766, 14684..14779, 14685..14768, 14686..14769, 14841..14933, 14847..14930, 14848..14931, 14848..15051, 15458..15553, 15460..15552, 16313..16435, 16314..16436		

Seq. No.	11963	Seq. ID	OJ990520_01.9B12.C30
Gene No.	25339	Strand	-
Start	34	End	207
Name	OJ990520_01.9B12.C30.o1.gs	Method	GENSCAN
Start	34	End	207
GI	none	Score	.96
Exons	34..207		

Seq. No.	11963	Seq. ID	OJ990520_01.9B12.C30
Gene No.	25340	Strand	-
Start	148	End	423
Name	OJ990520_01.9B12.C30.o1.gp	Method	AAT/GAP
Start	148	End	423
GI	2427683	Score	500
Exons	148..423		

Seq. No.	11964	Seq. ID	OJ990520_01.9B12.C31
Gene No.	25341	Strand	-
Start	1742	End	3663
Name	OJ990520_01.9B12.C31.o1.np	Method	AAT/NAP
Start	1742	End	3663
GI	5302801	Score	234
Exons	1742..2058, 2108..2207, 2238..3066, 3509..3663		
GI Descrip.	(Z97342) glycoprotein homolog [Arabidopsis thaliana]		

Seq. No.	11964	Seq. ID	OJ990520_01.9B12.C31
Gene No.	25341	Strand	-
Start	1742	End	3663
Name	OJ990520_01.9B12.C31.o1.gp	Method	AAT/GAP

Start	3098	End	3447
GI	2280662	Score	665
Exons	3098..3447		

Seq. No.	11965	Seq. ID	OJ990520_01.9B12.C33
Gene No.	25342	Strand	-
Start	724	End	4255
Name	OJ990520_01.9B12.C33.o1.gs	Method	GENSCAN
Start	724	End	4144
GI	none	Score	.42
Exons	724..794, 1528..1735, 2149..2268, 2662..2814, 2896..2943, 3078..3152, 3238..3458, 3853..4144		

Seq. No.	11965	Seq. ID	OJ990520_01.9B12.C33
Gene No.	25342	Strand	-
Start	724	End	4255
Name	OJ990520_01.9B12.C33.o1.np	Method	AAT/NAP
Start	1502	End	4154
GI	2194137	Score	238
Exons	1502..1594, 3249..3459, 3875..4154		
GI Descrip.	(AC002062) ESTs gb|R29947,gb|H76702 come from this gene. [Arabidopsis thaliana]		

Seq. No.	11965	Seq. ID	OJ990520_01.9B12.C33
Gene No.	25342	Strand	-
Start	724	End	4255
Name	OJ990520_01.9B12.C33.o1.gp	Method	AAT/GAP
Start	2409	End	3408
GI	12268_1.R1084	Score	1231
Exons	2409..2814, 2896..2943, 3078..3152, 3238..3408		
GI Descrip.	'1076660/pir||S51839 6.0e-15 D13F(MYBST1) protein - potato >gi_786426_bbs_159122 (S74753) MybSt1=Myb-related transcriptional activator {DNA-binding domain repeats} [Solanum tuberosum=potatoes, leaf, Peptide, 342 aa] [Solanum tuberosum]'		

Seq. No.	11965	Seq. ID	OJ990520_01.9B12.C33
Gene No.	25342	Strand	-
Start	724	End	4255
Name	OJ990520_01.9B12.C33.o1.tm	Method	TBLASTX:Maize
Start	3075	End	3997
GI	none	Score	45
Exons	3075..3122, 3075..3119, 3238..3384, 3261..3452, 3262..3462, 3269..3460, 3852..3896, 3953..3997		

Seq. No.	11965	Seq. ID	OJ990520_01.9B12.C33
Gene No.	25342	Strand	-
Start	724	End	4255
Name	OJ990520_01.9B12.C33.o1.ts	Method	TBLASTX:Soybean
Start	3232	End	3520
GI	none	Score	69
Exons	3232..3462, 3259..3372, 3368..3520		

Seq. No.	11965	Seq. ID	OJ990520_01.9B12.C33
Gene No.	25342	Strand	-
Start	724	End	4255
Name	OJ990520_01.9B12.C33.o1.tw	Method	TBLASTX:Wheat
Start	3238	End	3460

GI	none	Score	37
Exons	3238..3459, 3269..3325, 3377..3460		

Seq. No.	11965	Seq. ID	OJ990520_01.9B12.C33
Gene No.	25342	Strand	-
Start	724	End	4255
Name	OJ990520_01.9B12.C33.o1.tc	Method	TBLASTX:Cress
Start	3262	End	3460
GI	none	Score	123
Exons	3262..3459, 3368..3460		

Seq. No.	11965	Seq. ID	OJ990520_01.9B12.C33
Gene No.	25342	Strand	-
Start	724	End	4255
Name	OJ990520_01.9B12.C33.o2.gp	Method	AAT/GAP
Start	3905	End	4255
GI	none	Score	674
Exons	3905..4255		

Seq. No.	11966	Seq. ID	OJ990520_01.9B12.C34
Gene No.	25343	Strand	+
Start	1	End	254
Name	OJ990520_01.9B12.C34.o1.np	Method	AAT/NAP
Start	1	End	254
GI	5852084	Score	67
Exons	1..23, 119..254		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	11966	Seq. ID	OJ990520_01.9B12.C34
Gene No.	25344	Strand	+
Start	540	End	978
Name	OJ990520_01.9B12.C34.o2.np	Method	AAT/NAP
Start	540	End	978
GI	6069646	Score	328
Exons	540..978		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11966	Seq. ID	OJ990520_01.9B12.C34
Gene No.	25345	Strand	+
Start	1460	End	1992
Name	OJ990520_01.9B12.C34.o1.gs	Method	GENSCAN
Start	1460	End	1992
GI	none	Score	.91
Exons	1460..1992		

Seq. No.	11967	Seq. ID	OJ990520_01.9B12.C35
Gene No.	25346	Strand	+
Start	1	End	2139
Name	OJ990520_01.9B12.C35.o1.np	Method	AAT/NAP
Start	1	End	2139
GI	2245036	Score	745
Exons	1..128, 156..1086, 1837..2139		
GI Descrip.	(Z97342) triacylglycerol lipase like protein [Arabidopsis		

thaliana]

Seq. No.	11967	Seq. ID	OJ990520_01.9B12.C35
Gene No.	25346	Strand	+
Start	1	End	2139
Name	OJ990520_01.9B12.C35.o1.gs	Method	GENSCAN
Start	67	End	1185
GI	none	Score	.99
Exons	67..1185		

Seq. No.	11967	Seq. ID	OJ990520_01.9B12.C35
Gene No.	25347	Strand	-
Start	1750	End	2730
Name	OJ990520_01.9B12.C35.o1.ts	Method	TBLASTX:Soybean
Start	49	End	1092
GI	none	Score	107
Exons	49..123, 87..149, 168..242, 169..243, 264..410, 265..420, 448..663, 484..669, 700..765, 781..852, 867..1061, 868..1092		

Seq. No.	11967	Seq. ID	OJ990520_01.9B12.C35
Gene No.	25347	Strand	-
Start	1750	End	2730
Name	OJ990520_01.9B12.C35.o1.tm	Method	TBLASTX:Maize
Start	586	End	1019
GI	none	Score	125
Exons	586..705, 586..666, 603..728, 694..837, 696..836, 789..863, 873..1019, 874..1017		

Seq. No.	11967	Seq. ID	OJ990520_01.9B12.C35
Gene No.	25347	Strand	-
Start	1750	End	2730
Name	OJ990520_01.9B12.C35.o2.gs	Method	GENSCAN
Start	1750	End	2730
GI	none	Score	.77
Exons	1750..1924, 2645..2730		

Seq. No.	11968	Seq. ID	OJ990520_01.9B12.C36
Gene No.	25348	Strand	-
Start	1626	End	1751
Name	OJ990520_01.9B12.C36.o1.gs	Method	GENSCAN
Start	1626	End	1751
GI	none	Score	.92
Exons	1626..1751		

Seq. No.	11969	Seq. ID	OJ990520_01.9B12.C37
Gene No.	25349	Strand	+
Start	92	End	942
Name	OJ990520_01.9B12.C37.o1.gs	Method	GENSCAN
Start	92	End	942
GI	none	Score	.6
Exons	92..166, 178..942		

Seq. No.	11970	Seq. ID	OJ990520_01.9B12.C38
Gene No.	25350	Strand	-
Start	358	End	617
Name	OJ990520_01.9B12.C38.o1.gs	Method	GENSCAN
Start	358	End	617

GI	none	Score	.55
Exons	358..405, 492..617		

Seq. No.	11971	Seq. ID	OJ990520_01.9B12.C39
Gene No.	25351	Strand	+
Start	1	End	487
Name	OJ990520_01.9B12.C39.o1.np	Method	AAT/NAP
Start	1	End	487
GI	4455259	Score	531
Exons	1..487		
GI Descrip.	(AL035523) putative Ser/Thr protein kinase [Arabidopsis thaliana]		

Seq. No.	11971	Seq. ID	OJ990520_01.9B12.C39
Gene No.	25352	Strand	-
Start	13	End	486
Name	OJ990520_01.9B12.C39.o1.gs	Method	GENSCAN
Start	13	End	267
GI	none	Score	.59
Exons	13..267		

Seq. No.	11971	Seq. ID	OJ990520_01.9B12.C39
Gene No.	25352	Strand	-
Start	13	End	486
Name	OJ990520_01.9B12.C39.o1.tc	Method	TBLASTX:Cress
Start	28	End	305
GI	none	Score	292
Exons	28..300, 84..305		

Seq. No.	11971	Seq. ID	OJ990520_01.9B12.C39
Gene No.	25352	Strand	-
Start	13	End	486
Name	OJ990520_01.9B12.C39.o1.tm	Method	TBLASTX:Maize
Start	34	End	486
GI	none	Score	383
Exons	34..378, 34..354, 36..362, 379..486, 390..482		

Seq. No.	11971	Seq. ID	OJ990520_01.9B12.C39
Gene No.	25352	Strand	-
Start	13	End	486
Name	OJ990520_01.9B12.C39.o1.ts	Method	TBLASTX:Soybean
Start	34	End	480
GI	5057587	Score	60
Exons	34..123, 109..339, 165..350, 394..480		
GI Descrip.	4539330/emb_CAB38831.1_ 6.0e-74 (AL035679) putative receptor-like protein kinase (fragment) [Arabidopsis thaliana]		

Seq. No.	11971	Seq. ID	OJ990520_01.9B12.C39
Gene No.	25352	Strand	-
Start	13	End	486
Name	OJ990520_01.9B12.C39.o1.tw	Method	TBLASTX:Wheat
Start	94	End	486
GI	none	Score	67
Exons	94..177, 109..177, 193..360, 198..359, 394..486		

Seq. No.	11972	Seq. ID	OJ990520_01.9B12.C44
Gene No.	25353	Strand	-

Start	444	End	659
Name	OJ990520_01.9B12.C44.o1.np	Method	AAT/NAP
Start	444	End	659
GI	3386604	Score	108
Exons	444..659		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	11973	Seq. ID	OJ990520_01.9B12.C45
Gene No.	25354	Strand	+
Start	1	End	573
Name	OJ990520_01.9B12.C45.o1.np	Method	AAT/NAP
Start	1	End	573
GI	5852084	Score	75
Exons	1..75, 490..573		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	11973	Seq. ID	OJ990520_01.9B12.C45
Gene No.	25355	Strand	-
Start	141	End	303
Name	OJ990520_01.9B12.C45.o1.gs	Method	GENSCAN
Start	141	End	303
GI	none	Score	.69
Exons	141..303		

Seq. No.	11974	Seq. ID	OJ990520_01.9B12.C46
Gene No.	25356	Strand	+
Start	230	End	375
Name	OJ990520_01.9B12.C46.o1.gs	Method	GENSCAN
Start	230	End	375
GI	none	Score	.73
Exons	230..375		

Seq. No.	11975	Seq. ID	OJ990520_01.9B12.C47
Gene No.	25357	Strand	-
Start	601	End	879
Name	OJ990520_01.9B12.C47.o1.gs	Method	GENSCAN
Start	601	End	879
GI	none	Score	.72
Exons	601..719, 864..879		

Seq. No.	11976	Seq. ID	OJ990520_01.9B12.C48
Gene No.	25358	Strand	+
Start	1	End	1938
Name	OJ990520_01.9B12.C48.o1.np	Method	AAT/NAP
Start	1	End	1938
GI	2344901	Score	641
Exons	1..58, 596..726, 754..911, 939..1184, 1845..1938		
GI Descrip.	(AC002388) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	11976	Seq. ID	OJ990520_01.9B12.C48
Gene No.	25358	Strand	+
Start	1	End	1938
Name	OJ990520_01.9B12.C48.o1.gs	Method	GENSCAN
Start	159	End	1931
GI	none	Score	.43
Exons	159..1183, 1432..1459, 1845..1931		

Seq. No.	11976	Seq. ID	OJ990520_01.9B12.C48
Gene No.	25358	Strand	+
Start	1	End	1938
Name	OJ990520_01.9B12.C48.o1.tc	Method	TBLASTX:Cress
Start	782	End	1937
GI	none	Score	156
Exons	782..904, 783..908, 942..1184, 953..1177, 1842..1937, 1872..1928, 1892..1933		

Seq. No.	11976	Seq. ID	OJ990520_01.9B12.C48
Gene No.	25358	Strand	+
Start	1	End	1938
Name	OJ990520_01.9B12.C48.o1.ts	Method	TBLASTX:Soybean
Start	782	End	1126
GI	none	Score	164
Exons	782..904, 783..908, 942..1124, 953..1126		

Seq. No.	11976	Seq. ID	OJ990520_01.9B12.C48
Gene No.	25358	Strand	+
Start	1	End	1938
Name	OJ990520_01.9B12.C48.o1.tm	Method	TBLASTX:Maize
Start	782	End	1937
GI	none	Score	164
Exons	782..904, 783..908, 942..1184, 953..1177, 1842..1937, 1858..1905, 1892..1933		

Seq. No.	11977	Seq. ID	OJ990520_01.9B12.C49
Gene No.	25359	Strand	+
Start	400	End	1336
Name	OJ990520_01.9B12.C49.o1.np	Method	AAT/NAP
Start	400	End	1333
GI	1200256	Score	807
Exons	400..1222, 1295..1333		
GI Descrip.	(X90990) stpk1 protein kinase [Solanum tuberosum]		

Seq. No.	11977	Seq. ID	OJ990520_01.9B12.C49
Gene No.	25359	Strand	+
Start	400	End	1336
Name	OJ990520_01.9B12.C49.o1.gs	Method	GENSCAN
Start	406	End	1336
GI	none	Score	.86
Exons	406..1336		

Seq. No.	11977	Seq. ID	OJ990520_01.9B12.C49
Gene No.	25359	Strand	+
Start	400	End	1336
Name	OJ990520_01.9B12.C49.o1.ts	Method	TBLASTX:Soybean
Start	428	End	1153
GI	none	Score	242
Exons	428..541, 439..600, 446..613, 629..691, 751..987, 758..1153, 1066..1152		

Seq. No.	11977	Seq. ID	OJ990520_01.9B12.C49
Gene No.	25359	Strand	+
Start	400	End	1336
Name	OJ990520_01.9B12.C49.o1.tc	Method	TBLASTX:Cress
Start	434	End	1153

GI	none	Score	231
Exons	434..541, 439..594, 446..607, 629..691, 635..667, 751..1149, 758..1153		
Seq. No.	11977	Seq. ID	OJ990520_01.9B12.C49
Gene No.	25359	Strand	+
Start	400	End	1336
Name	OJ990520_01.9B12.C49.o1.tm	Method	TBLASTX:Maize
Start	434	End	1158
GI	none	Score	240
Exons	434..541, 439..600, 446..613, 617..691, 637..660, 644..691, 754..1152, 758..1153, 1078..1158		
Seq. No.	11977	Seq. ID	OJ990520_01.9B12.C49
Gene No.	25359	Strand	+
Start	400	End	1336
Name	OJ990520_01.9B12.C49.o1.tw	Method	TBLASTX:Wheat
Start	815	End	1320
GI	none	Score	521
Exons	815..1153, 817..1152, 1016..1165, 1207..1320		
Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25360	Strand	-
Start	15	End	766
Name	OJ990520_01.9B12.C50.o1.gs	Method	GENSCAN
Start	15	End	766
GI	none	Score	.87
Exons	15..421, 523..625, 680..766		
Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o3.tm	Method	TBLASTX:Maize
Start	4849	End	5127
GI	none	Score	50
Exons	4849..4947, 4919..4945, 4920..4946, 4939..4962, 5004..5126, 5004..5126, 5005..5127		
Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o1.tc	Method	TBLASTX:Cress
Start	5001	End	6127
GI	none	Score	138
Exons	5001..5243, 5008..5238, 5256..5378, 5257..5319, 5421..5447, 5421..5444, 5448..5504, 5562..5711, 5577..5714, 5718..5795, 5719..5796, 5903..6127, 5904..6023		
Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o2.gs	Method	GENSCAN
Start	5007	End	6391
GI	none	Score	.43
Exons	5007..5759, 5945..6121, 6383..6391		
Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50

Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o2.np	Method	AAT/NAP
Start	5010	End	6850
GI	2317905	Score	684
Exons	5010..5399, 5472..5805, 5898..5977, 6050..6176, 6704..6850		
GI Descrip.	(U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o1.gp	Method	AAT/GAP
Start	5089	End	5381
GI	5803362	Score	542
Exons	5089..5381		
GI Descrip.	2317905 1.0e-25 (U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o1.ts	Method	TBLASTX:Soybean
Start	5100	End	5502
GI	5508980	Score	114
Exons	5100..5234, 5101..5235, 5262..5357, 5340..5501, 5383..5502		
GI Descrip.	2317905 1.0e-24 (U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o2.tm	Method	TBLASTX:Maize
Start	5303	End	5492
GI	none	Score	166
Exons	5303..5356, 5304..5492, 5304..5492		

Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o1.tm	Method	TBLASTX:Maize
Start	5494	End	6121
GI	none	Score	333
Exons	5494..5805, 5496..5795, 5498..5797, 5892..6098, 5897..6121		

Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o2.ts	Method	TBLASTX:Soybean
Start	5652	End	6127
GI	none	Score	90
Exons	5652..5723, 5718..5795, 5719..5796, 5723..5800, 5906..6127, 5910..6098, 5953..6123		

Seq. No.	11978	Seq. ID	OJ990520_01.9B12.C50
Gene No.	25361	Strand	-
Start	5007	End	6850
Name	OJ990520_01.9B12.C50.o2.gp	Method	AAT/GAP

Start	5662	End	6121
GI	5005405	Score	654
Exons	5662..5805, 5898..6121		
GI Descrip.	600855 6.0e-54 (U17887) bZIP protein [Arabidopsis thaliana]		

Seq. No.	11979	Seq. ID	OJ990520_01.9B12.C52
Gene No.	25362	Strand	+
Start	1	End	1094
Name	OJ990520_01.9B12.C52.o1.np	Method	AAT/NAP
Start	1	End	1094
GI	4263787	Score	245
Exons	1..60, 106..225, 351..482, 621..746, 996..1094		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	11979	Seq. ID	OJ990520_01.9B12.C52
Gene No.	25362	Strand	+
Start	1	End	1094
Name	OJ990520_01.9B12.C52.o1.tm	Method	TBLASTX:Maize
Start	12	End	746
GI	none	Score	226
Exons	12..218, 85..219, 97..219, 618..746, 623..745		

Seq. No.	11979	Seq. ID	OJ990520_01.9B12.C52
Gene No.	25362	Strand	+
Start	1	End	1094
Name	OJ990520_01.9B12.C52.o1.gs	Method	GENSCAN
Start	85	End	733
GI	none	Score	.47
Exons	85..200, 656..733		

Seq. No.	11979	Seq. ID	OJ990520_01.9B12.C52
Gene No.	25362	Strand	+
Start	1	End	1094
Name	OJ990520_01.9B12.C52.o1.tw	Method	TBLASTX:Wheat
Start	623	End	746
GI	none	Score	173
Exons	623..745, 624..746		

Seq. No.	11980	Seq. ID	OJ990520_01.9B12.C54
Gene No.	25363	Strand	-
Start	359	End	439
Name	OJ990520_01.9B12.C54.o1.gs	Method	GENSCAN
Start	359	End	439
GI	none	Score	.61
Exons	359..439		

Seq. No.	11981	Seq. ID	OJ990520_01.9B12.C56
Gene No.	25364	Strand	+
Start	1	End	378
Name	OJ990520_01.9B12.C56.o1.np	Method	AAT/NAP
Start	1	End	378
GI	1076660	Score	239
Exons	1..378		
GI Descrip.	D13F(MYBST1) protein - potato gi|786426|bbs|159122 (S74753) MybSt1=Myb-related transcriptional activator {DNA-binding domain repeats} [Solanum tuberosum=potatoes, leaf, Peptide, 342 aa] [Solanum tuberosum]		

Seq. No.	11981	Seq. ID	OJ990520_01.9B12.C56
Gene No.	25364	Strand	+
Start	1	End	378
Name	OJ990520_01.9B12.C56.o1.gs	Method	GENSCAN
Start	32	End	349
GI	none	Score	.65
Exons	32..349		

Seq. No.	11981	Seq. ID	OJ990520_01.9B12.C56
Gene No.	25365	Strand	-
Start	1	End	537
Name	OJ990520_01.9B12.C56.o1.gp	Method	AAT/GAP
Start	1	End	537
GI	4371_1.R1084	Score	1070
Exons	1..537		
GI Descrip.	'2344894 2.0e-17 (AC002388) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11981	Seq. ID	OJ990520_01.9B12.C56
Gene No.	25365	Strand	-
Start	1	End	537
Name	OJ990520_01.9B12.C56.o1.tm	Method	TBLASTX:Maize
Start	1	End	537
GI	none	Score	395
Exons	1..336, 2..346, 292..351, 293..352, 380..418, 381..416, 415..537, 427..525		

Seq. No.	11981	Seq. ID	OJ990520_01.9B12.C56
Gene No.	25365	Strand	-
Start	1	End	537
Name	OJ990520_01.9B12.C56.o1.ts	Method	TBLASTX:Soybean
Start	35	End	328
GI	none	Score	239
Exons	35..289, 148..282, 293..328, 302..328		

Seq. No.	11981	Seq. ID	OJ990520_01.9B12.C56
Gene No.	25365	Strand	-
Start	1	End	537
Name	OJ990520_01.9B12.C56.o1.tc	Method	TBLASTX:Cress
Start	44	End	328
GI	none	Score	72
Exons	44..115, 146..295, 146..256, 148..294, 268..294, 290..328		

Seq. No.	11982	Seq. ID	OJ990520_01.9B12.C58
Gene No.	25366	Strand	+
Start	96	End	375
Name	OJ990520_01.9B12.C58.o1.gs	Method	GENSCAN
Start	96	End	375
GI	none	Score	.76
Exons	96..375		

Seq. No.	11983	Seq. ID	OJ990520_01.9B12.C61
Gene No.	25367	Strand	-
Start	143	End	263
Name	OJ990520_01.9B12.C61.o1.gs	Method	GENSCAN
Start	143	End	263

GI	none	Score	.72
Exons	143..263		
Seq. No.	11984	Seq. ID	OJ990520_01.9B12.C62
Gene No.	25368	Strand	-
Start	65	End	307
Name	OJ990520_01.9B12.C62.o1.gs	Method	GENSCAN
Start	65	End	307
GI	none	Score	.65
Exons	65..307		
Seq. No.	11985	Seq. ID	OJ990520_01.9B12.C63
Gene No.	25369	Strand	+
Start	216	End	378
Name	OJ990520_01.9B12.C63.o1.gs	Method	GENSCAN
Start	216	End	378
GI	none	Score	.89
Exons	216..378		
Seq. No.	11986	Seq. ID	OJ990520_01.9B12.C65
Gene No.	25370	Strand	-
Start	664	End	809
Name	OJ990520_01.9B12.C65.o1.np	Method	AAT/NAP
Start	664	End	809
GI	2245102	Score	111
Exons	664..809		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	11987	Seq. ID	OJ990520_01.9B12.C66
Gene No.	25371	Strand	+
Start	1	End	481
Name	OJ990520_01.9B12.C66.o1.np	Method	AAT/NAP
Start	1	End	478
GI	418604	Score	807
Exons	1..478		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		
Seq. No.	11987	Seq. ID	OJ990520_01.9B12.C66
Gene No.	25371	Strand	+
Start	1	End	481
Name	OJ990520_01.9B12.C66.o1.gs	Method	GENSCAN
Start	48	End	481
GI	none	Score	.73
Exons	48..481		
Seq. No.	11988	Seq. ID	OJ990520_01.9B12.C68
Gene No.	25372	Strand	-
Start	84	End	206
Name	OJ990520_01.9B12.C68.o1.gs	Method	GENSCAN
Start	84	End	206
GI	none	Score	.97
Exons	84..206		
Seq. No.	11989	Seq. ID	OJ990520_01.9B12.C69
Gene No.	25373	Strand	+
Start	93	End	170

Name	OJ990520_01.9B12.C69.o1.gs	Method	GENSCAN
Start	93	End	170
GI	none	Score	.76
Exons	93..170		

Seq. No.	11990	Seq. ID	OJ990920_06.9B02.C2
Gene No.	25374	Strand	+
Start	272	End	401
Name	OJ990920_06.9B02.C2.o1.gs	Method	GENSCAN
Start	272	End	401
GI	none	Score	.98
Exons	272..401		

Seq. No.	11990	Seq. ID	OJ990920_06.9B02.C2
Gene No.	25375	Strand	+
Start	6993	End	7795
Name	OJ990920_06.9B02.C2.o1.np	Method	AAT/NAP
Start	6993	End	7795
GI	6630696	Score	1237
Exons	6993..7795		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11990	Seq. ID	OJ990920_06.9B02.C2
Gene No.	25376	Strand	-
Start	1088	End	5752
Name	OJ990920_06.9B02.C2.o2.gs	Method	GENSCAN
Start	1088	End	5752
GI	none	Score	.78
Exons	1088..1655, 2413..3023, 3143..3220, 5197..5292, 5450..5579, 5691..5752		

Seq. No.	11990	Seq. ID	OJ990920_06.9B02.C2
Gene No.	25377	Strand	
Start	6887	End	7340
Name	OJ990920_06.9B02.C2.o1.tw	Method	TBLASTX:Wheat
Start	6887	End	7284
GI	none	Score	81
Exons	6887..7027, 7062..7283, 7088..7261, 7114..7284		

Seq. No.	11990	Seq. ID	OJ990920_06.9B02.C2
Gene No.	25377	Strand	
Start	6887	End	7340
Name	OJ990920_06.9B02.C2.o1.tm	Method	TBLASTX:Maize
Start	7059	End	7340
GI	none	Score	270
Exons	7059..7340, 7074..7340		

Seq. No.	11991	Seq. ID	OJ990920_06.9B02.C3
Gene No.	25378	Strand	+
Start	1	End	751
Name	OJ990920_06.9B02.C3.o1.np	Method	AAT/NAP
Start	1	End	751
GI	6630696	Score	1169
Exons	1..751		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a		

region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	11991	Seq. ID	OJ990920_06.9B02.C3
Gene No.	25378	Strand	+
Start	1	End	751
Name	OJ990920_06.9B02.C3.o1.tw	Method	TBLASTX:Wheat
Start	3	End	583
GI	none	Score	530
Exons	3..332, 7..474, 347..463, 399..476, 401..481, 478..570, 478..579, 479..580, 491..583		

Seq. No.	11991	Seq. ID	OJ990920_06.9B02.C3
Gene No.	25378	Strand	+
Start	1	End	751
Name	OJ990920_06.9B02.C3.o1.gs	Method	GENSCAN
Start	27	End	651
GI	none	Score	.6
Exons	27..84, 101..397, 468..651		

Seq. No.	11991	Seq. ID	OJ990920_06.9B02.C3
Gene No.	25378	Strand	+
Start	1	End	751
Name	OJ990920_06.9B02.C3.o1.ts	Method	TBLASTX:Soybean
Start	503	End	751
GI	5509260	Score	196
Exons	503..751, 595..729		
GI Descrip.	-		

Seq. No.	11991	Seq. ID	OJ990920_06.9B02.C3
Gene No.	25378	Strand	+
Start	1	End	751
Name	OJ990920_06.9B02.C3.o1.tm	Method	TBLASTX:Maize
Start	509	End	751
GI	none	Score	181
Exons	509..751, 556..750		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25379	Strand	+
Start	1	End	181
Name	OJ990920_06.9B02.C4.o1.np	Method	AAT/NAP
Start	1	End	181
GI	6630696	Score	260
Exons	1..181		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25380	Strand	+
Start	4075	End	13662
Name	OJ990920_06.9B02.C4.o2.gs	Method	GENSCAN
Start	4075	End	10282
GI	none	Score	.58
Exons	4075..4520, 4761..5125, 5191..5346, 5443..6384, 6427..7089, 7176..7312, 7481..8280, 8479..9670, 9806..10282		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25380	Strand	+
Start	4075	End	13662
Name	OJ990920_06.9B02.C4.o2.np	Method	AAT/NAP
Start	7490	End	10612
GI	5902445	Score	3005
Exons	7490..9325, 9365..10612		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25380	Strand	+
Start	4075	End	13662
Name	OJ990920_06.9B02.C4.o4.np	Method	AAT/NAP
Start	8613	End	13662
GI	4680186	Score	382
Exons	8613..8647, 12060..12091, 12572..12623, 13462..13662		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o7.tw	Method	TBLASTX:Wheat
Start	320	End	672
GI	none	Score	73
Exons	320..391, 321..392, 369..461, 393..464, 395..475, 401..463, 464..541, 465..554, 466..534, 467..538, 568..642, 568..672, 649..672		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o6.tw	Method	TBLASTX:Wheat
Start	5808	End	6206
GI	none	Score	249
Exons	5808..6206, 5822..6115		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o8.tw	Method	TBLASTX:Wheat
Start	6789	End	7243
GI	none	Score	147
Exons	6789..6971, 6797..6970, 7008..7082, 7010..7105, 7171..7233, 7175..7243		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o1.tw	Method	TBLASTX:Wheat
Start	7435	End	7891
GI	none	Score	556
Exons	7435..7890, 7436..7891		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o2.ts	Method	TBLASTX:Soybean

Start	7475	End	7840
GI	none	Score	112
Exons	7475..7699, 7706..7840		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o1.tm	Method	TBLASTX:Maize
Start	7565	End	7921
GI	none	Score	407
Exons	7565..7921, 7619..7831, 7627..7920		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o3.tm	Method	TBLASTX:Maize
Start	7976	End	8332
GI	none	Score	321
Exons	7976..8332, 8053..8331		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o2.tw	Method	TBLASTX:Wheat
Start	8006	End	8430
GI	none	Score	460
Exons	8006..8428, 8009..8266, 8053..8430		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o1.ts	Method	TBLASTX:Soybean
Start	8084	End	8485
GI	none	Score	303
Exons	8084..8485, 8086..8244		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o5.tw	Method	TBLASTX:Wheat
Start	8576	End	8983
GI	none	Score	208
Exons	8576..8800, 8629..8802, 8810..8983		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o9.tw	Method	TBLASTX:Wheat
Start	8987	End	9343
GI	none	Score	205
Exons	8987..9343, 9019..9162		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o2.tm	Method	TBLASTX:Maize
Start	9485	End	9790

GI	none	Score	333
Exons	9485..9790, 9502..9789		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o3.tw	Method	TBLASTX:Wheat
Start	9485	End	9868
GI	none	Score	357
Exons	9485..9868, 9493..9867		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o4.tw	Method	TBLASTX:Wheat
Start	9992	End	10603
GI	none	Score	256
Exons	9992..10390, 10006..10095, 10141..10248, 10283..10447, 10472..10603		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o3.gs	Method	GENSCAN
Start	11258	End	14606
GI	none	Score	.8
Exons	11258..11745, 11856..12001, 12142..12517, 13546..13601, 14479..14606		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o3.np	Method	AAT/NAP
Start	12141	End	12517
GI	6721561	Score	408
Exons	12141..12517		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11992	Seq. ID	OJ990920_06.9B02.C4
Gene No.	25381	Strand	-
Start	11258	End	14606
Name	OJ990920_06.9B02.C4.o1.gp	Method	AAT/GAP
Start	13214	End	13595
GI	uC-osflcyp033a04b1	Score	651
Exons	13214..13595		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25382	Strand	+
Start	1	End	6006
Name	OJ990920_06.9B02.C5.o1.np	Method	AAT/NAP
Start	1	End	1898

GI	4680179	Score	2311
Exons	1..55, 204..1898		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25382	Strand	+
Start	1	End	6006
Name	OJ990920_06.9B02.C5.o1.gs	Method	GENSCAN
Start	213	End	6006
GI	none	Score	.66
Exons	213..1410, 1450..1898, 2641..2880, 4009..4104, 5200..6006		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25382	Strand	+
Start	1	End	6006
Name	OJ990920_06.9B02.C5.o2.gp	Method	AAT/GAP
Start	3936	End	4317
GI	uC-osflcyp033a04b1	Score	647
Exons	3936..4317		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25383	Strand	+
Start	6420	End	8986
Name	OJ990920_06.9B02.C5.o2.np	Method	AAT/NAP
Start	6255	End	8901
GI	4680179	Score	2556
Exons	6255..7342, 7376..8901		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25383	Strand	+
Start	6420	End	8986
Name	OJ990920_06.9B02.C5.o2.gs	Method	GENSCAN
Start	6420	End	8986
GI	none	Score	.57
Exons	6420..6619, 6743..7168, 7184..7382, 7388..7457, 7644..8986		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25384	Strand	+
Start	9042	End	9189
Name	OJ990920_06.9B02.C5.o3.gp	Method	AAT/GAP
Start	9042	End	9189
GI	uC-osflcyp033a04b1	Score	269
Exons	9042..9189		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o3.tw	Method	TBLASTX:Wheat
Start	191	End	8875
GI	none	Score	507
Exons	191..223, 8474..8875, 8476..8874, 8477..8875		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o2.tw	Method	TBLASTX:Wheat
Start	351	End	887
GI	none	Score	658
Exons	351..887, 407..886		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o1.tc	Method	TBLASTX:Cress
Start	594	End	911
GI	none	Score	90
Exons	594..767, 768..911, 770..910		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o2.ts	Method	TBLASTX:Soybean
Start	675	End	935
GI	none	Score	296
Exons	675..935, 680..934		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o3.tm	Method	TBLASTX:Maize
Start	734	End	1025
GI	none	Score	374
Exons	734..1021, 735..1025		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o1.tw	Method	TBLASTX:Wheat
Start	894	End	1520
GI	none	Score	677
Exons	894..1520, 957..1235, 1081..1284, 1082..1519		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o1.tm	Method	TBLASTX:Maize
Start	1074	End	1673
GI	none	Score	224
Exons	1074..1235, 1082..1228, 1233..1673, 1235..1657		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o5.tw	Method	TBLASTX:Wheat
Start	1520	End	1853
GI	none	Score	307
Exons	1520..1789, 1521..1853		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5

Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o8.tw	Method	TBLASTX:Wheat
Start	6438	End	6697
GI	none	Score	196
Exons	6438..6485, 6498..6695, 6500..6697		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o6.tw	Method	TBLASTX:Wheat
Start	6731	End	7082
GI	none	Score	289
Exons	6731..6925, 6732..7082		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o5.tm	Method	TBLASTX:Maize
Start	6732	End	7037
GI	none	Score	216
Exons	6732..7037, 6746..6838		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o7.tw	Method	TBLASTX:Wheat
Start	7405	End	7774
GI	none	Score	150
Exons	7405..7614, 7406..7615, 7660..7773, 7661..7774		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o4.tw	Method	TBLASTX:Wheat
Start	7939	End	8425
GI	none	Score	463
Exons	7939..8382, 8048..8425		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o4.tm	Method	TBLASTX:Maize
Start	7960	End	8244
GI	none	Score	271
Exons	7960..8244, 7961..8242		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o2.tm	Method	TBLASTX:Maize
Start	8312	End	8812
GI	none	Score	163
Exons	8312..8491, 8320..8439, 8498..8812, 8638..8691, 8719..8769		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-

Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o1.ts	Method	TBLASTX:Soybean
Start	8366	End	8761
GI	none	Score	57
Exons	8366..8398, 8368..8397, 8402..8761, 8403..8435, 8404..8439, 8470..8760, 8489..8761		

Seq. No.	11993	Seq. ID	OJ990920_06.9B02.C5
Gene No.	25385	Strand	-
Start	8975	End	9189
Name	OJ990920_06.9B02.C5.o3.np	Method	AAT/NAP
Start	8975	End	9189
GI	4680186	Score	341
Exons	8975..9189		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25386	Strand	+
Start	582	End	20567
Name	OJ990920_06.9B02.C6.o7.np	Method	AAT/NAP
Start	582	End	20567
GI	5091513	Score	124
Exons	582..755, 3236..3669, 19589..19815, 20508..20567		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25386	Strand	+
Start	582	End	20567
Name	OJ990920_06.9B02.C6.o3.np	Method	AAT/NAP
Start	4020	End	5673
GI	6900306	Score	438
Exons	4020..4158, 5282..5673		
GI Descrip.	(AJ250282) putative acid phosphatase [Hordeum vulgare]		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25386	Strand	+
Start	582	End	20567
Name	OJ990920_06.9B02.C6.o4.np	Method	AAT/NAP
Start	4599	End	12123
GI	5295971	Score	506
Exons	4599..4660, 8044..9049, 12052..12123		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25386	Strand	+
Start	582	End	20567
Name	OJ990920_06.9B02.C6.o1.gp	Method	AAT/GAP
Start	18105	End	18413
GI	72524_1.R1084	Score	441
Exons	18105..18413		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25387	Strand	-

Start	1	End	3628
Name	OJ990920_06.9B02.C6.o1.np	Method	AAT/NAP
Start	1	End	2289
GI	6721561	Score	704
Exons	1..21, 776..1231, 1315..1373, 1443..1636, 2221..2289		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25387	Strand	-
Start	1	End	3628
Name	OJ990920_06.9B02.C6.o2.np	Method	AAT/NAP
Start	1	End	3496
GI	6907089	Score	222
Exons	1..38, 1918..2481, 3331..3496		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25387	Strand	-
Start	1	End	3628
Name	OJ990920_06.9B02.C6.o1.gs	Method	GENSCAN
Start	871	End	3628
GI	none	Score	.63
Exons	871..1231, 1443..1636, 1703..1827, 1992..2064, 2161..2330, 2506..2595, 3250..3628		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o1.tm	Method	TBLASTX:Maize
Start	5280	End	5630
GI	none	Score	250
Exons	5280..5489, 5287..5490, 5405..5515, 5509..5628, 5523..5630, 5532..5630		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o1.tc	Method	TBLASTX:Cress
Start	5283	End	5670
GI	none	Score	152
Exons	5283..5471, 5284..5487, 5520..5669, 5521..5670		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o1.ts	Method	TBLASTX:Soybean
Start	5286	End	5670
GI	none	Score	133
Exons	5286..5444, 5287..5451, 5521..5670, 5523..5669		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390

Name	OJ990920_06.9B02.C6.o2.tw	Method	TBLASTX:Wheat
Start	5562	End	5704
GI	none	Score	178
Exons	5562..5669, 5563..5670, 5585..5704		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o1.tw	Method	TBLASTX:Wheat
Start	8046	End	8339
GI	none	Score	188
Exons	8046..8339, 8228..8335		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o3.tm	Method	TBLASTX:Maize
Start	8217	End	8658
GI	none	Score	134
Exons	8217..8336, 8228..8335, 8337..8423, 8348..8443, 8400..8534, 8419..8535, 8536..8574, 8587..8658		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o2.ts	Method	TBLASTX:Soybean
Start	8244	End	8736
GI	none	Score	103
Exons	8244..8339, 8252..8335, 8348..8443, 8425..8535, 8539..8736		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o4.tm	Method	TBLASTX:Maize
Start	13830	End	14313
GI	none	Score	55
Exons	13830..13916, 13830..13946, 13886..14017, 13905..14018, 13937..14218, 13969..14019, 14015..14203, 14023..14205, 14206..14313, 14206..14307		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o5.np	Method	AAT/NAP
Start	14433	End	15738
GI	6815099	Score	89
Exons	14433..14585, 15200..15251, 15709..15738		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o6.np	Method	AAT/NAP
Start	14737	End	20390
GI	6705984	Score	386
Exons	14737..15123, 20343..20390		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	11994	Seq. ID	OJ990920_06.9B02.C6
Gene No.	25388	Strand	-
Start	14433	End	20390
Name	OJ990920_06.9B02.C6.o2.tm	Method	TBLASTX:Maize
Start	14761	End	15006
GI	none	Score	152
Exons	14761..14805, 14808..15005, 14812..15006		

Seq. No.	11995	Seq. ID	OJ990920_06.9B02.C7
Gene No.	25389	Strand	+
Start	662	End	783
Name	OJ990920_06.9B02.C7.o1.gs	Method	GENSCAN
Start	662	End	783
GI	none	Score	.83
Exons	662..783		

Seq. No.	11996	Seq. ID	OJ990920_06.9B02.C10
Gene No.	25390	Strand	-
Start	1	End	165
Name	OJ990920_06.9B02.C10.o1.np	Method	AAT/NAP
Start	1	End	165
GI	6630696	Score	236
Exons	1..165		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11997	Seq. ID	OJ990920_06.9B02.C11
Gene No.	25391	Strand	+
Start	1	End	158
Name	OJ990920_06.9B02.C11.o1.np	Method	AAT/NAP
Start	1	End	158
GI	4680179	Score	208
Exons	1..158		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11997	Seq. ID	OJ990920_06.9B02.C11
Gene No.	25392	Strand	-
Start	512	End	560
Name	OJ990920_06.9B02.C11.o1.gs	Method	GENSCAN
Start	512	End	560
GI	none	Score	.55
Exons	512..560		

Seq. No.	11998	Seq. ID	OJ990920_06.9B02.C12
Gene No.	25393	Strand	+
Start	680	End	874
Name	OJ990920_06.9B02.C12.o1.gs	Method	GENSCAN
Start	680	End	874
GI	none	Score	.42
Exons	680..874		

Seq. No.	11999	Seq. ID	OJ990920_06.9B02.C14
Gene No.	25394	Strand	-
Start	143	End	188
Name	OJ990920_06.9B02.C14.o1.gs	Method	GENSCAN

Start	143	End	188
GI	none	Score	.63
Exons	143..188		

Seq. No.	12000	Seq. ID	OJ990920_06.9B02.C15
Gene No.	25395	Strand	-
Start	126	End	261
Name	OJ990920_06.9B02.C15.o1.gs	Method	GENSCAN
Start	126	End	261
GI	none	Score	.81
Exons	126..261		

Seq. No.	12001	Seq. ID	OJ990920_06.9B02.C17
Gene No.	25396	Strand	+
Start	1	End	504
Name	OJ990920_06.9B02.C17.o1.np	Method	AAT/NAP
Start	1	End	504
GI	3024871	Score	152
Exons	1..240, 477..504		
GI Descrip.	HYPOTHETICAL 77.3 KD PROTEIN SLL0005 gi|1001579|dbj|BAA10206| (D64000) ABC1-like [Synechocystis sp.]		

Seq. No.	12001	Seq. ID	OJ990920_06.9B02.C17
Gene No.	25396	Strand	+
Start	1	End	504
Name	OJ990920_06.9B02.C17.o1.gs	Method	GENSCAN
Start	72	End	409
GI	none	Score	.48
Exons	72..183, 339..409		

Seq. No.	12001	Seq. ID	OJ990920_06.9B02.C17
Gene No.	25396	Strand	+
Start	1	End	504
Name	OJ990920_06.9B02.C17.o1.tc	Method	TBLASTX:Cress
Start	72	End	239
GI	none	Score	191
Exons	72..239, 89..202		

Seq. No.	12001	Seq. ID	OJ990920_06.9B02.C17
Gene No.	25396	Strand	+
Start	1	End	504
Name	OJ990920_06.9B02.C17.o1.ts	Method	TBLASTX:Soybean
Start	75	End	239
GI	none	Score	264
Exons	75..239, 80..226, 87..233		

Seq. No.	12002	Seq. ID	OJ990920_06.9B02.C18
Gene No.	25397	Strand	+
Start	1	End	2556
Name	OJ990920_06.9B02.C18.o1.np	Method	AAT/NAP
Start	1	End	2556
GI	3024871	Score	200
Exons	1..199, 445..796, 2386..2556		
GI Descrip.	HYPOTHETICAL 77.3 KD PROTEIN SLL0005 gi|1001579|dbj|BAA10206| (D64000) ABC1-like [Synechocystis sp.]		

Seq. No.	12002	Seq. ID	OJ990920_06.9B02.C18

Gene No.	25397	Strand	+
Start	1	End	2556
Name	OJ990920_06.9B02.C18.o1.gs	Method	GENSCAN
Start	73	End	1264
GI	none	Score	.87
Exons	73..222, 485..745, 1094..1264		

Seq. No.	12002	Seq. ID	OJ990920_06.9B02.C18
Gene No.	25398	Strand	-
Start	2263	End	2342
Name	OJ990920_06.9B02.C18.o1.tm	Method	TBLASTX:Maize
Start	478	End	781
GI	none	Score	264
Exons	478..759, 482..775, 485..781		

Seq. No.	12002	Seq. ID	OJ990920_06.9B02.C18
Gene No.	25398	Strand	-
Start	2263	End	2342
Name	OJ990920_06.9B02.C18.o1.ts	Method	TBLASTX:Soybean
Start	541	End	759
GI	none	Score	312
Exons	541..747, 542..748, 542..748, 555..758, 556..759		

Seq. No.	12002	Seq. ID	OJ990920_06.9B02.C18
Gene No.	25398	Strand	-
Start	2263	End	2342
Name	OJ990920_06.9B02.C18.o2.gs	Method	GENSCAN
Start	2263	End	2342
GI	none	Score	.4
Exons	2263..2342		

Seq. No.	12002	Seq. ID	OJ990920_06.9B02.C18
Gene No.	25399	Strand	
Start	2259	End	2458
Name	OJ990920_06.9B02.C18.o2.tm	Method	TBLASTX:Maize
Start	2259	End	2458
GI	none	Score	39
Exons	2259..2288, 2263..2304, 2270..2458, 2287..2457		

Seq. No.	12003	Seq. ID	OJ990920_06.9B02.C19
Gene No.	25400	Strand	-
Start	1389	End	1730
Name	OJ990920_06.9B02.C19.o1.gs	Method	GENSCAN
Start	1389	End	1730
GI	none	Score	.81
Exons	1389..1730		

Seq. No.	12003	Seq. ID	OJ990920_06.9B02.C19
Gene No.	25401	Strand	-
Start	1703	End	1970
Name	OJ990920_06.9B02.C19.o1.gp	Method	AAT/GAP
Start	1703	End	1970
GI	2312335	Score	455
Exons	1703..1970		

Seq. No.	12004	Seq. ID	OJ990920_06.9B02.C20
Gene No.	25402	Strand	+

Start	98	End	3310
Name	OJ990920_06.9B02.C20.o1.gs	Method	GENSCAN
Start	98	End	3310
GI	none	Score	.58
Exons	98..208, 973..1049, 2381..2441, 2759..3310		

Seq. No.	12004	Seq. ID	OJ990920_06.9B02.C20
Gene No.	25403	Strand	-
Start	6291	End	6895
Name	OJ990920_06.9B02.C20.o2.gs	Method	GENSCAN
Start	6291	End	6895
GI	none	Score	.98
Exons	6291..6352, 6685..6895		

Seq. No.	12004	Seq. ID	OJ990920_06.9B02.C20
Gene No.	25404	Strand	
Start	8227	End	8389
Name	OJ990920_06.9B02.C20.o1.tm	Method	TBLASTX:Maize
Start	8227	End	8389
GI	none	Score	246
Exons	8227..8388, 8228..8389		

Seq. No.	12005	Seq. ID	OJ990920_06.9B02.C22
Gene No.	25405	Strand	+
Start	146	End	526
Name	OJ990920_06.9B02.C22.o1.gs	Method	GENSCAN
Start	146	End	526
GI	none	Score	.75
Exons	146..199, 363..526		

Seq. No.	12006	Seq. ID	OJ990920_06.9B02.C23
Gene No.	25406	Strand	+
Start	83	End	1708
Name	OJ990920_06.9B02.C23.o1.gs	Method	GENSCAN
Start	83	End	1708
GI	none	Score	.47
Exons	83..97, 1640..1708		

Seq. No.	12006	Seq. ID	OJ990920_06.9B02.C23
Gene No.	25407	Strand	-
Start	2541	End	3071
Name	OJ990920_06.9B02.C23.o2.gs	Method	GENSCAN
Start	2541	End	3071
GI	none	Score	.54
Exons	2541..3071		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25408	Strand	+
Start	208	End	1238
Name	OJ990920_06.9B02.C27.o1.gs	Method	GENSCAN
Start	208	End	1238
GI	none	Score	.47
Exons	208..357, 561..652, 1234..1238		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25409	Strand	+
Start	3728	End	4195

Name	OJ990920_06.9B02.C27.o1.gp	Method	AAT/GAP
Start	3728	End	4195
GI	4861_1.R1084	Score	901
Exons	3728..4195		
GI Descrip.	'4557026/ref|NP_003913.1|pHERC1| 2.0e-14 guanine nucleotide exchange factor p532 >gi_1477565 (U50078) p532 [Homo sapiens]'		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25410	Strand	-
Start	1	End	300
Name	OJ990920_06.9B02.C27.o1.np	Method	AAT/NAP
Start	1	End	300
GI	3249083	Score	64
Exons	1..31, 124..300		
GI Descrip.	(AC004473) Contains similarity to heat shock transcription factor homolog gb|2244754 from A. thaliana chromosome 4 contig gb|Z97335. [Arabidopsis thaliana]		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25411	Strand	-
Start	1785	End	5308
Name	OJ990920_06.9B02.C27.o2.gs	Method	GENSCAN
Start	1785	End	5264
GI	none	Score	.89
Exons	1785..1879, 3137..3258, 4078..4415, 4701..4808, 4896..5264		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25411	Strand	-
Start	1785	End	5308
Name	OJ990920_06.9B02.C27.o2.np	Method	AAT/NAP
Start	2497	End	5308
GI	5478530	Score	244
Exons	2497..2540, 4163..4415, 4701..4808, 4896..5308		
GI Descrip.	(AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25411	Strand	-
Start	1785	End	5308
Name	OJ990920_06.9B02.C27.o1.tm	Method	TBLASTX:Maize
Start	3835	End	5267
GI	none	Score	59
Exons	3835..3888, 3836..3898, 3923..3961, 3924..3965, 3994..4038, 4054..4257, 4056..4418, 4059..4418, 4060..4431, 4309..4419, 4690..4824, 4692..4808, 4696..4827, 4968..5057, 5043..5111, 5044..5112, 5112..5219, 5149..5220, 5178..5267		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25411	Strand	-
Start	1785	End	5308
Name	OJ990920_06.9B02.C27.o2.ts	Method	TBLASTX:Soybean
Start	4098	End	4307
GI	none	Score	125
Exons	4098..4307, 4126..4257		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25411	Strand	-
Start	1785	End	5308

Name	OJ990920_06.9B02.C27.o1.ts	Method	TBLASTX:Soybean
Start	4336	End	5277
GI	none	Score	95
Exons	4336..4416, 4338..4418, 4690..4824, 4692..4808, 4696..4821, 4888..5130, 4888..4974, 4893..5138, 4908..5138, 4962..5114, 4977..5117, 5043..5111, 5104..5208, 5112..5267, 5130..5240, 5137..5277, 5139..5267, 5149..5265		

Seq. No.	12007	Seq. ID	OJ990920_06.9B02.C27
Gene No.	25411	Strand	-
Start	1785	End	5308
Name	OJ990920_06.9B02.C27.o2.gp	Method	AAT/GAP
Start	4773	End	5200
GI	3766635	Score	658
Exons	4773..4808, 4896..5200		
GI Descrip.	4557026/ref|NP_003913.1|pHERC1| 2.0e-14 guanine nucleotide exchange factor p532 >gi_1477565 (U50078) p532 [Homo sapiens]		

Seq. No.	12008	Seq. ID	OJ990920_06.9B02.C28
Gene No.	25412	Strand	+
Start	271	End	440
Name	OJ990920_06.9B02.C28.o1.gs	Method	GENSCAN
Start	271	End	440
GI	none	Score	.66
Exons	271..358, 425..440		

Seq. No.	12008	Seq. ID	OJ990920_06.9B02.C28
Gene No.	25413	Strand	-
Start	1	End	565
Name	OJ990920_06.9B02.C28.o1.np	Method	AAT/NAP
Start	1	End	565
GI	5103193	Score	971
Exons	1..565		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	12008	Seq. ID	OJ990920_06.9B02.C28
Gene No.	25414	Strand	
Start	525	End	655
Name	OJ990920_06.9B02.C28.o1.tc	Method	TBLASTX:Cress
Start	525	End	655
GI	none	Score	177
Exons	525..644, 525..644, 526..654, 527..655		

Seq. No.	12009	Seq. ID	OJ990830_04.9B09.C1
Gene No.	25415	Strand	+
Start	90	End	170
Name	OJ990830_04.9B09.C1.o1.gs	Method	GENSCAN
Start	90	End	170
GI	none	Score	.41
Exons	90..170		

Seq. No.	12009	Seq. ID	OJ990830_04.9B09.C1
Gene No.	25416	Strand	-
Start	1	End	350
Name	OJ990830_04.9B09.C1.o1.np	Method	AAT/NAP

Start	1	End	350
GI	5777623	Score	78
Exons	1..350		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	12010	Seq. ID	OJ990830_04.9B09.C2
Gene No.	25417	Strand	+
Start	1	End	530
Name	OJ990830_04.9B09.C2.o1.np	Method	AAT/NAP
Start	1	End	530
GI	4680183	Score	103
Exons	1..45, 415..530		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12010	Seq. ID	OJ990830_04.9B09.C2
Gene No.	25417	Strand	+
Start	1	End	530
Name	OJ990830_04.9B09.C2.o1.gs	Method	GENSCAN
Start	48	End	486
GI	none	Score	.64
Exons	48..95, 310..428, 442..486		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25418	Strand	+
Start	5908	End	12355
Name	OJ990830_04.9B09.C7.o3.gs	Method	GENSCAN
Start	5908	End	12355
GI	none	Score	.5
Exons	5908..6274, 6736..7035, 7415..7560, 7755..7886, 7942..7989, 8240..9569, 10077..12087, 12301..12355		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25418	Strand	+
Start	5908	End	12355
Name	OJ990830_04.9B09.C7.o1.np	Method	AAT/NAP
Start	8183	End	12088
GI	6539553	Score	6717
Exons	8183..12088		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25419	Strand	+
Start	12845	End	14725
Name	OJ990830_04.9B09.C7.o4.gs	Method	GENSCAN
Start	12845	End	14725
GI	none	Score	.75
Exons	12845..13035, 13170..13328, 13417..13464, 13990..14150, 14661..14725		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25420	Strand	+
Start	16933	End	17791
Name	OJ990830_04.9B09.C7.o5.gs	Method	GENSCAN
Start	16933	End	17791

GI	none	Score	.81
Exons	16933..17087, 17575..17791		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25421	Strand	+
Start	19048	End	19152
Name	OJ990830_04.9B09.C7.o1.gp	Method	AAT/GAP
Start	19048	End	19152
GI	3107009	Score	117
Exons	19048..19152		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o4.tw	Method	TBLASTX:Wheat
Start	8177	End	8563
GI	none	Score	350
Exons	8177..8563, 8188..8562		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o2.tm	Method	TBLASTX:Maize
Start	8312	End	15277
GI	none	Score	366
Exons	8312..8623, 8320..8625, 8413..8625, 15089..15277		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o1.tm	Method	TBLASTX:Maize
Start	9124	End	9446
GI	none	Score	268
Exons	9124..9378, 9131..9445, 9151..9444, 9279..9446		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o5.tm	Method	TBLASTX:Maize
Start	9646	End	10080
GI	none	Score	286
Exons	9646..10080, 9888..10055		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o6.tw	Method	TBLASTX:Wheat
Start	9723	End	9915
GI	none	Score	121
Exons	9723..9914, 9724..9915, 9727..9915		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o3.ts	Method	TBLASTX:Soybean

Start	9868	End	10267
GI	none	Score	193
Exons	9868..10092, 9876..10046, 10093..10131, 10127..10267		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o1.tw	Method	TBLASTX:Wheat
Start	9916	End	10672
GI	none	Score	291
Exons	9916..10173, 9924..10160, 10128..10373, 10129..10362, 10130..10381, 10138..10404, 10425..10655, 10433..10672, 10455..10652, 10513..10671		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o1.ts	Method	TBLASTX:Soybean
Start	10592	End	11056
GI	5509260	Score	384
Exons	10592..11056, 10693..10761, 10810..10905, 10978..11037		
GI Descrip.	-		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o1.tc	Method	TBLASTX:Cress
Start	10685	End	10945
GI	none	Score	286
Exons	10685..10945		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o3.tm	Method	TBLASTX:Maize
Start	10726	End	11173
GI	none	Score	362
Exons	10726..10908, 10727..11173, 10862..11044, 10975..11088		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o3.tw	Method	TBLASTX:Wheat
Start	10727	End	11272
GI	none	Score	319
Exons	10727..11071, 10874..11047, 11066..11272, 11140..11262		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o2.ts	Method	TBLASTX:Soybean
Start	11125	End	11470
GI	none	Score	313
Exons	11125..11325, 11126..11470		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-

Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o4.tm	Method	TBLASTX:Maize
Start	11281	End	11620
GI	none	Score	318
Exons	11281..11619, 11282..11620		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o2.tw	Method	TBLASTX:Wheat
Start	11476	End	11952
GI	none	Score	101
Exons	11476..11547, 11477..11551, 11566..11952, 11567..11914		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o4.ts	Method	TBLASTX:Soybean
Start	11483	End	11824
GI	none	Score	91
Exons	11483..11596, 11509..11589, 11615..11824, 11620..11745		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o2.np	Method	AAT/NAP
Start	21312	End	26577
GI	6815052	Score	1904
Exons	21312..21431, 21711..21780, 21862..22196, 23118..23524, 23573..23708, 24492..24584, 25485..25584, 25883..25999, 26267..26343, 26425..26577		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	12011	Seq. ID	OJ990830_04.9B09.C7
Gene No.	25422	Strand	-
Start	21312	End	26577
Name	OJ990830_04.9B09.C7.o5.tw	Method	TBLASTX:Wheat
Start	23763	End	24254
GI	none	Score	78
Exons	23763..24254, 23839..24021		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25423	Strand	+
Start	119	End	1455
Name	OJ990830_04.9B09.C8.o1.gs	Method	GENSCAN
Start	119	End	1455
GI	none	Score	.68
Exons	119..299, 1409..1455		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25424	Strand	+
Start	6390	End	6765
Name	OJ990830_04.9B09.C8.o1.gp	Method	AAT/GAP
Start	6390	End	6765
GI	2427387	Score	687
Exons	6390..6765		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25425	Strand	+
Start	7392	End	7564
Name	OJ990830_04.9B09.C8.o2.gp	Method	AAT/GAP
Start	7392	End	7564
GI	LIB3433-026-P1-K1-C1	Score	258
Exons	7392..7564		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25426	Strand	+
Start	10744	End	11061
Name	OJ990830_04.9B09.C8.o4.gs	Method	GENSCAN
Start	10744	End	11061
GI	none	Score	.59
Exons	10744..11061		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25427	Strand	+
Start	19138	End	19765
Name	OJ990830_04.9B09.C8.o6.gs	Method	GENSCAN
Start	19138	End	19765
GI	none	Score	.56
Exons	19138..19167, 19246..19304, 19600..19765		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25428	Strand	+
Start	25086	End	25159
Name	OJ990830_04.9B09.C8.o7.gs	Method	GENSCAN
Start	25086	End	25159
GI	none	Score	.9
Exons	25086..25159		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25429	Strand	-
Start	1	End	1619
Name	OJ990830_04.9B09.C8.o1.np	Method	AAT/NAP
Start	1	End	1619
GI	6815052	Score	293
Exons	1..19, 181..273, 1130..1229, 1527..1619		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25430	Strand	-
Start	4256	End	6372
Name	OJ990830_04.9B09.C8.o2.np	Method	AAT/NAP
Start	4256	End	6372
GI	6721561	Score	269
Exons	4256..4698, 6342..6372		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25431	Strand	-
Start	7712	End	9076
Name	OJ990830_04.9B09.C8.o3.gs	Method	GENSCAN
Start	7712	End	9076
GI	none	Score	.8
Exons	7712..7898, 8838..9076		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607
Name	OJ990830_04.9B09.C8.o3.tw	Method	TBLASTX:Wheat
Start	3731	End	3929
GI	none	Score	60
Exons	3731..3925, 3804..3929		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607
Name	OJ990830_04.9B09.C8.o5.gs	Method	GENSCAN
Start	11686	End	16595
GI	none	Score	.7
Exons	11686..12824, 12960..13121, 15623..16595		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607
Name	OJ990830_04.9B09.C8.o3.np	Method	AAT/NAP
Start	11689	End	16607
GI	5803260	Score	835
Exons	11689..12842, 13029..13142, 15643..16607		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607
Name	OJ990830_04.9B09.C8.o1.tm	Method	TBLASTX:Maize
Start	11869	End	12795
GI	none	Score	110
Exons	11869..12039, 12049..12189, 12056..12190, 12206..12280, 12206..12277, 12211..12294, 12304..12588, 12379..12528, 12395..12589, 12592..12699, 12703..12795		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607
Name	OJ990830_04.9B09.C8.o1.tc	Method	TBLASTX:Cress
Start	11881	End	15818
GI	none	Score	40
Exons	11881..11976, 12052..12192, 12074..12193, 12188..12307, 12211..12294, 12304..12591, 12407..12595, 12604..12714, 12605..12670, 12991..13071, 15651..15731, 15759..15818		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607

Name	OJ990830_04.9B09.C8.o2.tw	Method	TBLASTX:Wheat
Start	12034	End	12300
GI	none	Score	106
Exons	12034..12177, 12056..12181, 12211..12300		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607
Name	OJ990830_04.9B09.C8.o1.ts	Method	TBLASTX:Soybean
Start	12046	End	12792
GI	none	Score	107
Exons	12046..12174, 12050..12184, 12209..12304, 12211..12294, 12304..12531, 12527..12670, 12592..12699, 12736..12792		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607
Name	OJ990830_04.9B09.C8.o1.tw	Method	TBLASTX:Wheat
Start	12313	End	12681
GI	none	Score	89
Exons	12313..12576, 12407..12577, 12592..12681, 12605..12670		

Seq. No.	12012	Seq. ID	OJ990830_04.9B09.C8
Gene No.	25432	Strand	-
Start	11686	End	16607
Name	OJ990830_04.9B09.C8.o3.gp	Method	AAT/GAP
Start	13765	End	13841
GI	LIB3477-003-P1-K1-E9	Score	92
Exons	13765..13841		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	12013	Seq. ID	OJ990830_04.9B09.C9
Gene No.	25433	Strand	+
Start	1976	End	3397
Name	OJ990830_04.9B09.C9.o1.gs	Method	GENSCAN
Start	1976	End	3238
GI	none	Score	.53
Exons	1976..2005, 2825..3238		

Seq. No.	12013	Seq. ID	OJ990830_04.9B09.C9
Gene No.	25433	Strand	+
Start	1976	End	3397
Name	OJ990830_04.9B09.C9.o1.np	Method	AAT/NAP
Start	2637	End	3397
GI	5091523	Score	179
Exons	2637..3397		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	12013	Seq. ID	OJ990830_04.9B09.C9
Gene No.	25433	Strand	+
Start	1976	End	3397
Name	OJ990830_04.9B09.C9.o2.np	Method	AAT/NAP
Start	2637	End	3397
GI	5091523	Score	180

Exons	2637..3397		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		
Seq. No.	12013	Seq. ID	OJ990830_04.9B09.C9
Gene No.	25434	Strand	-
Start	4226	End	5676
Name	OJ990830_04.9B09.C9.o2.gs	Method	GENSCAN
Start	4226	End	5676
GI	none	Score	.84
Exons	4226..4363, 4462..4700, 5610..5676		
Seq. No.	12013	Seq. ID	OJ990830_04.9B09.C9
Gene No.	25435	Strand	-
Start	7715	End	8304
Name	OJ990830_04.9B09.C9.o3.gs	Method	GENSCAN
Start	7715	End	8304
GI	none	Score	.75
Exons	7715..7776, 8178..8304		
Seq. No.	12013	Seq. ID	OJ990830_04.9B09.C9
Gene No.	25436	Strand	-
Start	10951	End	11113
Name	OJ990830_04.9B09.C9.o4.gs	Method	GENSCAN
Start	10951	End	11113
GI	none	Score	.8
Exons	10951..11113		
Seq. No.	12014	Seq. ID	OJ990830_04.9B09.C10
Gene No.	25437	Strand	-
Start	1	End	710
Name	OJ990830_04.9B09.C10.o1.np	Method	AAT/NAP
Start	1	End	710
GI	4680199	Score	326
Exons	1..78, 165..710		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	12015	Seq. ID	OJ990830_04.9B09.C11
Gene No.	25438	Strand	+
Start	2363	End	7869
Name	OJ990830_04.9B09.C11.o1.np	Method	AAT/NAP
Start	2363	End	4757
GI	5042463	Score	146
Exons	2363..2585, 3025..3192, 3830..4012, 4063..4250, 4700..4757		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	12015	Seq. ID	OJ990830_04.9B09.C11
Gene No.	25438	Strand	+
Start	2363	End	7869
Name	OJ990830_04.9B09.C11.o2.np	Method	AAT/NAP
Start	2598	End	7869
GI	6063554	Score	159
Exons	2598..2648, 5136..5224, 6303..6481, 6580..6643, 7697..7869		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12015	Seq. ID	OJ990830_04.9B09.C11
Gene No.	25439	Strand	-
Start	4956	End	10361
Name	OJ990830_04.9B09.C11.o3.np	Method	AAT/NAP
Start	4956	End	9159
GI	3645899	Score	557
Exons	4956..4976, 8540..9159		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	12015	Seq. ID	OJ990830_04.9B09.C11
Gene No.	25439	Strand	-
Start	4956	End	10361
Name	OJ990830_04.9B09.C11.o2.gs	Method	GENSCAN
Start	5805	End	10361
GI	none	Score	.51
Exons	5805..6206, 6247..6357, 6372..6641, 6653..6820, 8234..8313, 9415..9771, 10148..10361		

Seq. No.	12015	Seq. ID	OJ990830_04.9B09.C11
Gene No.	25439	Strand	-
Start	4956	End	10361
Name	OJ990830_04.9B09.C11.o1.tw	Method	TBLASTX:Wheat
Start	8539	End	8748
GI	none	Score	68
Exons	8539..8748, 8542..8745		

Seq. No.	12015	Seq. ID	OJ990830_04.9B09.C11
Gene No.	25439	Strand	-
Start	4956	End	10361
Name	OJ990830_04.9B09.C11.o1.tm	Method	TBLASTX:Maize
Start	8542	End	8908
GI	none	Score	127
Exons	8542..8784, 8566..8772, 8567..8788, 8583..8789, 8777..8908, 8779..8907		

Seq. No.	12015	Seq. ID	OJ990830_04.9B09.C11
Gene No.	25439	Strand	-
Start	4956	End	10361
Name	OJ990830_04.9B09.C11.o2.tm	Method	TBLASTX:Maize
Start	8911	End	9271
GI	none	Score	47
Exons	8911..9120, 8911..9150, 9179..9262, 9179..9271		

Seq. No.	12016	Seq. ID	OJ990830_04.9B09.C12
Gene No.	25440	Strand	+
Start	292	End	576
Name	OJ990830_04.9B09.C12.o1.gs	Method	GENSCAN
Start	292	End	576
GI	none	Score	.56
Exons	292..576		

Seq. No.	12016	Seq. ID	OJ990830_04.9B09.C12
Gene No.	25441	Strand	-
Start	785	End	1432
Name	OJ990830_04.9B09.C12.o2.gs	Method	GENSCAN
Start	785	End	1420
GI	none	Score	.95

Exons	785..1420		
Seq. No.	12016	Seq. ID	OJ990830_04.9B09.C12
Gene No.	25441	Strand	-
Start	785	End	1432
Name	OJ990830_04.9B09.C12.o1.np	Method	AAT/NAP
Start	806	End	1432
GI	5915839	Score	587
Exons	806..1432		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	12016	Seq. ID	OJ990830_04.9B09.C12
Gene No.	25441	Strand	-
Start	785	End	1432
Name	OJ990830_04.9B09.C12.o2.tw	Method	TBLASTX:Wheat
Start	809	End	1084
GI	none	Score	176
Exons	809..1039, 813..1040, 845..1039, 1055..1084		

Seq. No.	12016	Seq. ID	OJ990830_04.9B09.C12
Gene No.	25441	Strand	-
Start	785	End	1432
Name	OJ990830_04.9B09.C12.o1.ts	Method	TBLASTX:Soybean
Start	822	End	1429
GI	none	Score	96
Exons	822..1034, 845..1039, 1058..1285, 1059..1223, 1316..1429, 1320..1424		

Seq. No.	12016	Seq. ID	OJ990830_04.9B09.C12
Gene No.	25441	Strand	-
Start	785	End	1432
Name	OJ990830_04.9B09.C12.o1.tc	Method	TBLASTX:Cress
Start	908	End	1429
GI	none	Score	81
Exons	908..1039, 966..1034, 1058..1429, 1059..1163, 1188..1244, 1238..1354		

Seq. No.	12016	Seq. ID	OJ990830_04.9B09.C12
Gene No.	25441	Strand	-
Start	785	End	1432
Name	OJ990830_04.9B09.C12.o1.tm	Method	TBLASTX:Maize
Start	953	End	1424
GI	none	Score	78
Exons	953..1039, 953..1039, 966..1040, 1046..1306, 1047..1307, 1304..1357, 1304..1423, 1305..1424		

Seq. No.	12016	Seq. ID	OJ990830_04.9B09.C12
Gene No.	25441	Strand	-
Start	785	End	1432
Name	OJ990830_04.9B09.C12.o1.tw	Method	TBLASTX:Wheat
Start	1109	End	1424
GI	none	Score	121
Exons	1109..1303, 1110..1298, 1307..1423, 1317..1424		

Seq. No.	12017	Seq. ID	OJ990830_04.9B09.C13
Gene No.	25442	Strand	-

Start	15	End	170
Name	OJ990830_04.9B09.C13.o1.gs	Method	GENSCAN
Start	15	End	170
GI	none	Score	.86
Exons	15..170		

Seq. No.	12018	Seq. ID	OJ990830_04.9B09.C14
Gene No.	25443	Strand	-
Start	182	End	785
Name	OJ990830_04.9B09.C14.o1.gs	Method	GENSCAN
Start	182	End	785
GI	none	Score	.8
Exons	182..785		

Seq. No.	12019	Seq. ID	OJ990830_04.9B09.C16
Gene No.	25444	Strand	+
Start	1	End	146
Name	OJ990830_04.9B09.C16.o1.np	Method	AAT/NAP
Start	1	End	146
GI	4680179	Score	190
Exons	1..146		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12019	Seq. ID	OJ990830_04.9B09.C16
Gene No.	25444	Strand	+
Start	1	End	146
Name	OJ990830_04.9B09.C16.o1.tw	Method	TBLASTX:Wheat
Start	1	End	129
GI	none	Score	181
Exons	1..129, 3..128		

Seq. No.	12020	Seq. ID	OJ990830_04.9B09.C17
Gene No.	25445	Strand	+
Start	181	End	483
Name	OJ990830_04.9B09.C17.o1.gs	Method	GENSCAN
Start	181	End	483
GI	none	Score	.76
Exons	181..483		

Seq. No.	12021	Seq. ID	OJ990830_04.9B09.C21
Gene No.	25446	Strand	+
Start	2110	End	4679
Name	OJ990830_04.9B09.C21.o1.gs	Method	GENSCAN
Start	2110	End	4679
GI	none	Score	.47
Exons	2110..2241, 2324..2773, 4648..4679		

Seq. No.	12021	Seq. ID	OJ990830_04.9B09.C21
Gene No.	25447	Strand	-
Start	210	End	7290
Name	OJ990830_04.9B09.C21.o1.np	Method	AAT/NAP
Start	210	End	7290
GI	6691191	Score	793
Exons	210..470, 6614..7290		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	12021	Seq. ID	OJ990830_04.9B09.C21

Gene No.	25447	Strand	-
Start	210	End	7290
Name	OJ990830_04.9B09.C21.o1.ts	Method	TBLASTX:Soybean
Start	303	End	6934
GI	none	Score	155
Exons	303..392, 402..476, 6614..6934, 6696..6932, 6751..6933		

Seq. No.	12021	Seq. ID	OJ990830_04.9B09.C21
Gene No.	25447	Strand	-
Start	210	End	7290
Name	OJ990830_04.9B09.C21.o2.tw	Method	TBLASTX:Wheat
Start	399	End	6802
GI	none	Score	54
Exons	399..476, 6614..6775, 6614..6802		

Seq. No.	12021	Seq. ID	OJ990830_04.9B09.C21
Gene No.	25447	Strand	-
Start	210	End	7290
Name	OJ990830_04.9B09.C21.o1.tm	Method	TBLASTX:Maize
Start	482	End	1157
GI	none	Score	108
Exons	482..604, 483..599, 486..611, 500..604, 596..712, 597..725, 609..725, 969..1091, 970..1086, 973..1098, 987..1091, 1083..1157, 1095..1157		

Seq. No.	12021	Seq. ID	OJ990830_04.9B09.C21
Gene No.	25447	Strand	-
Start	210	End	7290
Name	OJ990830_04.9B09.C21.o2.gs	Method	GENSCAN
Start	6605	End	7285
GI	none	Score	.99
Exons	6605..7285		

Seq. No.	12021	Seq. ID	OJ990830_04.9B09.C21
Gene No.	25447	Strand	-
Start	210	End	7290
Name	OJ990830_04.9B09.C21.o1.tw	Method	TBLASTX:Wheat
Start	6803	End	7258
GI	none	Score	197
Exons	6803..7258, 6813..7253		

Seq. No.	12021	Seq. ID	OJ990830_04.9B09.C21
Gene No.	25447	Strand	-
Start	210	End	7290
Name	OJ990830_04.9B09.C21.o2.ts	Method	TBLASTX:Soybean
Start	6935	End	7259
GI	none	Score	165
Exons	6935..7219, 6936..7220, 7217..7258, 7218..7259		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o1.np	Method	AAT/NAP
Start	1	End	1902
GI	6691193	Score	1712
Exons	1..1902		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o4.tw	Method	TBLASTX:Wheat
Start	7	End	339
GI	none	Score	124
Exons	7..72, 52..147, 139..339, 155..337		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o1.gs	Method	GENSCAN
Start	121	End	3310
GI	none	Score	.44
Exons	121..863, 960..1140, 1450..1706, 1779..1909, 2241..2925, 3169..3310		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o3.ts	Method	TBLASTX:Soybean
Start	199	End	333
GI	none	Score	126
Exons	199..333, 212..319, 217..333		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o2.tw	Method	TBLASTX:Wheat
Start	352	End	654
GI	none	Score	207
Exons	352..654, 353..625, 384..650		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o1.tm	Method	TBLASTX:Maize
Start	376	End	924
GI	none	Score	125
Exons	376..519, 511..924, 512..910		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o2.ts	Method	TBLASTX:Soybean
Start	443	End	798
GI	none	Score	132
Exons	443..733, 445..732, 733..798		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o1.tw	Method	TBLASTX:Wheat
Start	658	End	1089
GI	none	Score	238
Exons	658..1089, 668..973, 682..1071, 1037..1087		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o2.tm	Method	TBLASTX:Maize
Start	940	End	1302
GI	none	Score	219
Exons	940..1302		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o1.ts	Method	TBLASTX:Soybean
Start	1165	End	1590
GI	none	Score	79
Exons	1165..1359, 1177..1374, 1383..1421, 1421..1564, 1423..1590		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o3.tw	Method	TBLASTX:Wheat
Start	1186	End	1590
GI	none	Score	85
Exons	1186..1359, 1295..1390, 1381..1458, 1421..1573, 1423..1590		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o3.np	Method	AAT/NAP
Start	2163	End	3632
GI	5852181	Score	111
Exons	2163..2269, 3435..3632		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	12022	Seq. ID	OJ990830_04.9B09.C22
Gene No.	25448	Strand	-
Start	1	End	3632
Name	OJ990830_04.9B09.C22.o5.tw	Method	TBLASTX:Wheat
Start	2762	End	3115
GI	none	Score	179
Exons	2762..3115		

Seq. No.	12023	Seq. ID	OJ990830_04.9B09.C26
Gene No.	25449	Strand	+
Start	492	End	650
Name	OJ990830_04.9B09.C26.o1.gs	Method	GENSCAN
Start	492	End	650
GI	none	Score	.85
Exons	492..650		

Seq. No.	12024	Seq. ID	OJ990830_04.9B09.C27
Gene No.	25450	Strand	-
Start	305	End	364
Name	OJ990830_04.9B09.C27.o1.gs	Method	GENSCAN
Start	305	End	364
GI	none	Score	.78
Exons	305..364		

Seq. No.	12025	Seq. ID	OJ990830_04.9B09.C29
Gene No.	25451	Strand	-
Start	229	End	510
Name	OJ990830_04.9B09.C29.o1.gs	Method	GENSCAN
Start	229	End	510
GI	none	Score	.54
Exons	229..510		

Seq. No.	12026	Seq. ID	OJ990810_05.9B08.C2
Gene No.	25452	Strand	+
Start	384	End	1483
Name	OJ990810_05.9B08.C2.o1.np	Method	AAT/NAP
Start	384	End	1483
GI	6175185	Score	117
Exons	384..544, 1104..1190, 1322..1483		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	12026	Seq. ID	OJ990810_05.9B08.C2
Gene No.	25452	Strand	+
Start	384	End	1483
Name	OJ990810_05.9B08.C2.o1.gs	Method	GENSCAN
Start	405	End	1450
GI	none	Score	.8
Exons	405..544, 1322..1450		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25453	Strand	+
Start	7153	End	21340
Name	OJ990810_05.9B08.C4.o2.gs	Method	GENSCAN
Start	7153	End	21340
GI	none	Score	.79
Exons	7153..7234, 7549..7640, 7691..7960, 8023..8146, 8158..8288, 8645..8739, 8869..9013, 9143..9217, 9346..9424, 9842..9917, 10325..10906, 11861..12057, 12959..13080, 13733..13764, 13817..13989, 14142..14804, 15226..15305, 15662..15844, 15930..16312, 16360..17392, 17543..17694, 18565..18859, 19360..19842, 19961..20094, 20225..20714, 20774..21340		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25453	Strand	+
Start	7153	End	21340
Name	OJ990810_05.9B08.C4.o2.np	Method	AAT/NAP
Start	14378	End	21337
GI	6498441	Score	3892
Exons	14378..14857, 15662..16235, 16562..17724, 19222..19392, 19567..20962, 21056..21337		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25454	Strand	+
Start	31273	End	35642
Name	OJ990810_05.9B08.C4.o6.np	Method	AAT/NAP
Start	31273	End	35642
GI	6063557	Score	230

Exons	31273..31360, 34219..34369, 34565..34740, 35518..35642		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25455	Strand	-
Start	507	End	4573
Name	OJ990810_05.9B08.C4.o1.gs	Method	GENSCAN
Start	507	End	4573
GI	none	Score	.46
Exons	507..521, 1537..1662, 1828..1856, 4402..4573		
Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25456	Strand	-
Start	8165	End	8901
Name	OJ990810_05.9B08.C4.o1.np	Method	AAT/NAP
Start	8165	End	8901
GI	6815052	Score	389
Exons	8165..8287, 8567..8640, 8722..8901		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25457	Strand	-
Start	21992	End	28285
Name	OJ990810_05.9B08.C4.o3.gs	Method	GENSCAN
Start	21992	End	25302
GI	none	Score	.8
Exons	21992..22216, 22259..22711, 22748..22996, 23099..23503, 23687..23843, 23914..24113, 24190..25080, 25165..25302		
Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25457	Strand	-
Start	21992	End	28285
Name	OJ990810_05.9B08.C4.o3.np	Method	AAT/NAP
Start	22010	End	28285
GI	6907089	Score	1808
Exons	22010..22912, 23015..24057, 24191..24474, 24514..25329, 28132..28285		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25457	Strand	-
Start	21992	End	28285
Name	OJ990810_05.9B08.C4.o4.gs	Method	GENSCAN
Start	26922	End	28276
GI	none	Score	.53
Exons	26922..27234, 28134..28276		
Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25458	Strand	-
Start	28535	End	30667
Name	OJ990810_05.9B08.C4.o5.gs	Method	GENSCAN
Start	28535	End	30667
GI	none	Score	.6
Exons	28535..28760, 29040..29186, 29304..29440, 29554..29590, 30588..30667		
Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4

Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o6.tw	Method	TBLASTX:Wheat
Start	14579	End	14842
GI	none	Score	91
Exons	14579..14686, 14596..14676, 14656..14799, 14660..14842		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o1.tw	Method	TBLASTX:Wheat
Start	16447	End	16933
GI	none	Score	372
Exons	16447..16620, 16448..16933, 16648..16902		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o4.tw	Method	TBLASTX:Wheat
Start	17054	End	17344
GI	none	Score	97
Exons	17054..17149, 17059..17148, 17140..17343, 17141..17344, 17162..17344		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o2.tm	Method	TBLASTX:Maize
Start	17141	End	17344
GI	none	Score	199
Exons	17141..17344, 17170..17343		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o5.tw	Method	TBLASTX:Wheat
Start	19395	End	19854
GI	none	Score	133
Exons	19395..19490, 19396..19491, 19567..19854, 19569..19655, 19683..19742		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	20217	End	20560
GI	none	Score	331
Exons	20217..20531, 20321..20521, 20328..20540, 20513..20560		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o2.tw	Method	TBLASTX:Wheat
Start	20345	End	20731
GI	none	Score	368
Exons	20345..20422, 20346..20714, 20447..20689, 20480..20731		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o3.tw	Method	TBLASTX:Wheat
Start	20732	End	21328
GI	none	Score	239
Exons	20732..21022, 20734..20829, 20899..21009, 21092..21172, 21202..21324, 21203..21328		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o6.gs	Method	GENSCAN
Start	32366	End	34985
GI	none	Score	.82
Exons	32366..32503, 32579..32696, 33227..33344, 33406..33449, 33748..33827, 33906..34085, 34884..34985		

Seq. No.	12027	Seq. ID	OJ990810_05.9B08.C4
Gene No.	25459	Strand	-
Start	32366	End	35642
Name	OJ990810_05.9B08.C4.o5.np	Method	AAT/NAP
Start	33396	End	35642
GI	6175185	Score	135
Exons	33396..33453, 33748..33827, 33906..34085, 34884..34970, 35609..35642		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	12028	Seq. ID	OJ990810_05.9B08.C7
Gene No.	25460	Strand	-
Start	1265	End	2202
Name	OJ990810_05.9B08.C7.o1.gs	Method	GENSCAN
Start	1265	End	1978
GI	none	Score	.44
Exons	1265..1291, 1739..1978		

Seq. No.	12028	Seq. ID	OJ990810_05.9B08.C7
Gene No.	25460	Strand	-
Start	1265	End	2202
Name	OJ990810_05.9B08.C7.o1.np	Method	AAT/NAP
Start	1510	End	2202
GI	6175185	Score	80
Exons	1510..1645, 1739..1928, 2164..2202		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	12029	Seq. ID	OJ990810_05.9B08.C8
Gene No.	25461	Strand	-
Start	1	End	1097
Name	OJ990810_05.9B08.C8.o1.np	Method	AAT/NAP
Start	1	End	1097
GI	6175185	Score	50
Exons	1..25, 397..555, 836..988, 1070..1097		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	12030	Seq. ID	OJ990810_05.9B08.C10
Gene No.	25462	Strand	-
Start	1	End	4407

Name	OJ990810_05.9B08.C10.o1.np	Method	AAT/NAP
Start	1	End	3231
GI	6175185	Score	150
Exons	1..74, 312..451, 1702..1830, 2868..3037, 3134..3231		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	12030	Seq. ID	OJ990810_05.9B08.C10
Gene No.	25462	Strand	-
Start	1	End	4407
Name	OJ990810_05.9B08.C10.o1.gs	Method	GENSCAN
Start	276	End	3048
GI	none	Score	.65
Exons	276..451, 1702..1830, 2868..3048		

Seq. No.	12030	Seq. ID	OJ990810_05.9B08.C10
Gene No.	25462	Strand	-
Start	1	End	4407
Name	OJ990810_05.9B08.C10.o2.np	Method	AAT/NAP
Start	2591	End	4407
GI	6721512	Score	91
Exons	2591..2704, 4047..4073, 4116..4407		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25463	Strand	+
Start	701	End	1936
Name	OJ990810_05.9B08.C11.o1.gs	Method	GENSCAN
Start	701	End	1936
GI	none	Score	.61
Exons	701..771, 1247..1365, 1855..1936		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25464	Strand	+
Start	5240	End	14001
Name	OJ990810_05.9B08.C11.o3.gs	Method	GENSCAN
Start	5240	End	10279
GI	none	Score	.46
Exons	5240..5309, 5336..5450, 5721..5831, 5911..6011, 6785..6877, 7273..7320, 7584..7778, 8023..8597, 8622..9030, 9183..10279		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25464	Strand	+
Start	5240	End	14001
Name	OJ990810_05.9B08.C11.o1.np	Method	AAT/NAP
Start	8359	End	14001
GI	6498441	Score	6893
Exons	8359..9422, 9753..10216, 10280..10653, 10837..10971, 11145..11571, 11764..12060, 12232..13626, 13720..14001		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25465	Strand	+
Start	19156	End	20347
Name	OJ990810_05.9B08.C11.o6.gs	Method	GENSCAN
Start	19156	End	20347

GI	none	Score	.47
Exons	19156..19212, 19442..19631, 20259..20347		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25466	Strand	+
Start	20742	End	20761
Name	OJ990810_05.9B08.C11.o7.gs	Method	GENSCAN
Start	20742	End	20761
GI	none	Score	.42
Exons	20742..20761		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25467	Strand	-
Start	2194	End	2704
Name	OJ990810_05.9B08.C11.o2.gs	Method	GENSCAN
Start	2194	End	2704
GI	none	Score	.68
Exons	2194..2405, 2452..2704		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25468	Strand	-
Start	14633	End	17977
Name	OJ990810_05.9B08.C11.o5.gs	Method	GENSCAN
Start	14633	End	17977
GI	none	Score	.85
Exons	14633..16014, 16124..16292, 16485..16620, 16716..17977		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25468	Strand	-
Start	14633	End	17977
Name	OJ990810_05.9B08.C11.o2.np	Method	AAT/NAP
Start	14636	End	17977
GI	5803259	Score	4982
Exons	14636..16306, 16391..16620, 16716..17977		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25469	Strand	-
Start	18794	End	19664
Name	OJ990810_05.9B08.C11.o3.np	Method	AAT/NAP
Start	18794	End	19664
GI	5922623	Score	205
Exons	18794..18869, 19037..19191, 19580..19664		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o6.tw	Method	TBLASTX:Wheat
Start	8562	End	8900
GI	none	Score	112
Exons	8562..8660, 8567..8659, 8627..8866, 8643..8900		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-

Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o2.tw	Method	TBLASTX:Wheat
Start	9637	End	10096
GI	none	Score	403
Exons	9637..9774, 9638..10096, 9832..10092		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o1.tw	Method	TBLASTX:Wheat
Start	10287	End	10750
GI	none	Score	219
Exons	10287..10730, 10288..10743, 10289..10750, 10289..10744		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o3.ts	Method	TBLASTX:Soybean
Start	10328	End	10693
GI	none	Score	117
Exons	10328..10552, 10559..10693		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o1.tm	Method	TBLASTX:Maize
Start	10418	End	10774
GI	none	Score	392
Exons	10418..10774, 10453..10764, 10469..10774		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o5.tw	Method	TBLASTX:Wheat
Start	10751	End	11062
GI	none	Score	324
Exons	10751..11062, 10759..11049		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o2.tm	Method	TBLASTX:Maize
Start	10801	End	11184
GI	none	Score	272
Exons	10801..11085, 10802..11086, 11074..11184		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o1.ts	Method	TBLASTX:Soybean
Start	10937	End	11307
GI	none	Score	136
Exons	10937..11080, 11077..11307		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948

Name	OJ990810_05.9B08.C11.o8.tw	Method	TBLASTX:Wheat
Start	11071	End	11358
GI	none	Score	240
Exons	11071..11358		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o4.tw	Method	TBLASTX:Wheat
Start	11804	End	12366
GI	none	Score	235
Exons	11804..11824, 11932..12156, 11947..12156, 11997..12182, 12217..12366, 12226..12363, 12228..12365		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o2.ts	Method	TBLASTX:Soybean
Start	12055	End	12621
GI	5666795	Score	69
Exons	12055..12153, 12229..12366, 12421..12621		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o9.tw	Method	TBLASTX:Wheat
Start	12369	End	12681
GI	none	Score	189
Exons	12369..12545, 12421..12681		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o3.tm	Method	TBLASTX:Maize
Start	12874	End	13194
GI	none	Score	46
Exons	12874..12924, 12930..13181, 12931..13194		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o3.tw	Method	TBLASTX:Wheat
Start	13008	End	13389
GI	none	Score	365
Exons	13008..13064, 13009..13389, 13110..13253		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o7.tw	Method	TBLASTX:Wheat
Start	13390	End	13992
GI	none	Score	265
Exons	13390..13674, 13390..13806, 13530..13700, 13866..13988, 13867..13992		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11

Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o4.np	Method	AAT/NAP
Start	19704	End	20948
GI	4455188	Score	170
Exons	19704..19911, 20804..20948		
GI Descrip.	(AL035521) putative protein [Arabidopsis thaliana]		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o5.np	Method	AAT/NAP
Start	20517	End	20948
GI	4585985	Score	211
Exons	20517..20600, 20676..20948		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12031	Seq. ID	OJ990810_05.9B08.C11
Gene No.	25470	Strand	-
Start	19704	End	20948
Name	OJ990810_05.9B08.C11.o4.tm	Method	TBLASTX:Maize
Start	20793	End	20923
GI	none	Score	72
Exons	20793..20912, 20796..20915, 20797..20919, 20837..20923		

Seq. No.	12032	Seq. ID	OJ990810_05.9B08.C12
Gene No.	25471	Strand	+
Start	3701	End	3946
Name	OJ990810_05.9B08.C12.o2.gs	Method	GENSCAN
Start	3701	End	3946
GI	none	Score	.81
Exons	3701..3946		

Seq. No.	12032	Seq. ID	OJ990810_05.9B08.C12
Gene No.	25472	Strand	-
Start	245	End	995
Name	OJ990810_05.9B08.C12.o1.gs	Method	GENSCAN
Start	245	End	995
GI	none	Score	.88
Exons	245..256, 483..995		

Seq. No.	12033	Seq. ID	OJ990810_05.9B08.C14
Gene No.	25473	Strand	+
Start	448	End	3444
Name	OJ990810_05.9B08.C14.o1.gs	Method	GENSCAN
Start	448	End	3444
GI	none	Score	.55
Exons	448..595, 812..910, 1590..1858, 2719..2816, 2981..3444		

Seq. No.	12033	Seq. ID	OJ990810_05.9B08.C14
Gene No.	25474	Strand	-
Start	2861	End	5839
Name	OJ990810_05.9B08.C14.o1.np	Method	AAT/NAP
Start	2861	End	5839
GI	4234854	Score	1249
Exons	2861..2887, 4052..5096, 5134..5839		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	12033	Seq. ID	OJ990810_05.9B08.C14
Gene No.	25474	Strand	-
Start	2861	End	5839
Name	OJ990810_05.9B08.C14.o1.tw	Method	TBLASTX:Wheat
Start	4478	End	5255
GI	none	Score	54
Exons	4478..4774, 4878..4961, 4885..4962, 4985..5143, 4989..5060, 5130..5195, 5211..5255		

Seq. No.	12033	Seq. ID	OJ990810_05.9B08.C14
Gene No.	25474	Strand	-
Start	2861	End	5839
Name	OJ990810_05.9B08.C14.o1.ts	Method	TBLASTX:Soybean
Start	4857	End	5210
GI	none	Score	77
Exons	4857..5000, 4893..4976, 4910..4999, 4973..5143, 5018..5137, 5118..5210, 5164..5196		

Seq. No.	12033	Seq. ID	OJ990810_05.9B08.C14
Gene No.	25474	Strand	-
Start	2861	End	5839
Name	OJ990810_05.9B08.C14.o2.gs	Method	GENSCAN
Start	5310	End	5678
GI	none	Score	.47
Exons	5310..5678		

Seq. No.	12034	Seq. ID	OJ990810_05.9B08.C15
Gene No.	25475	Strand	-
Start	1	End	728
Name	OJ990810_05.9B08.C15.o1.np	Method	AAT/NAP
Start	1	End	728
GI	4234846	Score	432
Exons	1..728		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	12035	Seq. ID	OJ990810_05.9B08.C16
Gene No.	25476	Strand	+
Start	861	End	3270
Name	OJ990810_05.9B08.C16.o2.np	Method	AAT/NAP
Start	861	End	2646
GI	4585884	Score	111
Exons	861..897, 2166..2405, 2477..2646		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12035	Seq. ID	OJ990810_05.9B08.C16
Gene No.	25476	Strand	+
Start	861	End	3270
Name	OJ990810_05.9B08.C16.o1.np	Method	AAT/NAP
Start	1839	End	3270
GI	6721512	Score	85
Exons	1839..1975, 3237..3270		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12035	Seq. ID	OJ990810_05.9B08.C16
Gene No.	25477	Strand	+
Start	3905	End	5108

Name	OJ990810_05.9B08.C16.o3.np	Method	AAT/NAP
Start	3905	End	5108
GI	6907106	Score	458
Exons	3905..4195, 4501..4848, 4923..5108		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12035	Seq. ID	OJ990810_05.9B08.C16
Gene No.	25478	Strand	+
Start	7235	End	7876
Name	OJ990810_05.9B08.C16.o3.gs	Method	GENSCAN
Start	7235	End	7876
GI	none	Score	.86
Exons	7235..7648, 7859..7876		

Seq. No.	12035	Seq. ID	OJ990810_05.9B08.C16
Gene No.	25479	Strand	-
Start	4071	End	4670
Name	OJ990810_05.9B08.C16.o2.tm	Method	TBLASTX:Maize
Start	2163	End	2577
GI	none	Score	210
Exons	2163..2408, 2180..2242, 2264..2407, 2477..2536, 2512..2577		

Seq. No.	12035	Seq. ID	OJ990810_05.9B08.C16
Gene No.	25479	Strand	-
Start	4071	End	4670
Name	OJ990810_05.9B08.C16.o2.gs	Method	GENSCAN
Start	4071	End	4670
GI	none	Score	.97
Exons	4071..4670		

Seq. No.	12035	Seq. ID	OJ990810_05.9B08.C16
Gene No.	25480	Strand	
Start	4639	End	5013
Name	OJ990810_05.9B08.C16.o1.tm	Method	TBLASTX:Maize
Start	4639	End	5013
GI	none	Score	193
Exons	4639..4875, 4663..4872, 4868..4900, 4880..4912, 4964..5011, 4966..5013, 4966..5010		

Seq. No.	12035	Seq. ID	OJ990810_05.9B08.C16
Gene No.	25481	Strand	
Start	7214	End	7588
Name	OJ990810_05.9B08.C16.o1.tw	Method	TBLASTX:Wheat
Start	7214	End	7588
GI	none	Score	288
Exons	7214..7486, 7215..7472, 7426..7473, 7505..7588, 7523..7585		

Seq. No.	12036	Seq. ID	OJ990810_05.9B08.C17
Gene No.	25482	Strand	+
Start	202	End	6818
Name	OJ990810_05.9B08.C17.o1.gs	Method	GENSCAN
Start	202	End	6818
GI	none	Score	.58
Exons	202..240, 397..498, 2980..3501, 5460..5640, 6410..6625, 6637..6818		

Seq. No.	12036	Seq. ID	OJ990810_05.9B08.C17
Gene No.	25482	Strand	+
Start	202	End	6818
Name	OJ990810_05.9B08.C17.o2.gp	Method	AAT/GAP
Start	4679	End	4939
GI	3763145	Score	349
Exons	4679..4939		
GI Descrip.	416325/gb|U03454|PRS423 2.0e-15 Yeast episomal vector pRS423 with HIS3 marker, complete sequence		

Seq. No.	12036	Seq. ID	OJ990810_05.9B08.C17
Gene No.	25483	Strand	+
Start	7746	End	8647
Name	OJ990810_05.9B08.C17.o1.np	Method	AAT/NAP
Start	7746	End	8647
GI	5852178	Score	512
Exons	7746..8054, 8086..8182, 8545..8647		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	12036	Seq. ID	OJ990810_05.9B08.C17
Gene No.	25484	Strand	-
Start	3647	End	4175
Name	OJ990810_05.9B08.C17.o1.gp	Method	AAT/GAP
Start	3647	End	4175
GI	LIB3475-007-P1-K1-E8	Score	700
Exons	3647..3693, 3783..4175		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	12036	Seq. ID	OJ990810_05.9B08.C17
Gene No.	25485	Strand	-
Start	7821	End	9183
Name	OJ990810_05.9B08.C17.o2.gs	Method	GENSCAN
Start	7821	End	9183
GI	none	Score	.84
Exons	7821..8005, 8164..8325, 9102..9183		

Seq. No.	12037	Seq. ID	OJ990810_05.9B08.C18
Gene No.	25486	Strand	+
Start	97	End	194
Name	OJ990810_05.9B08.C18.o1.gs	Method	GENSCAN
Start	97	End	194
GI	none	Score	.84
Exons	97..194		

Seq. No.	12038	Seq. ID	OJ990810_05.9B08.C19
Gene No.	25487	Strand	+
Start	1	End	436
Name	OJ990810_05.9B08.C19.o1.gp	Method	AAT/GAP
Start	1	End	436
GI	uC-osflcyp039a01b1	Score	789
Exons	1..436		
GI Descrip.	'1173090/sp|Q05921|RN5A_MOUSE 4.0e-09 2-5A-DEPENDENT RIBONUCLEASE (2-5A-DEPENDENT RNAASE) (RNASE L) (RIBONUCLEASE 4) >gi_1083193_pir__B45771 2-5A-dependent RNAase - mouse (fragment) >gi_293265 (L10382) 2-5A-dependent RNase [Mus musculus]'		

Seq. No.	12038	Seq. ID	OJ990810_05.9B08.C19
Gene No.	25487	Strand	+
Start	1	End	436
Name	OJ990810_05.9B08.C19.o1.np	Method	AAT/NAP
Start	1	End	156
GI	730856	Score	53
Exons	1..156		
GI Descrip.	REGULATORY PROTEIN SWI6 (CELL-CYCLE BOX FACTOR, CHAIN SWI6) (TRANS-ACTING ACTIVATOR OF HO ENDONUCLEASE GENE) (MBF SUBUNIT P90) gi|480316|pir||S36657 SWI6 protein - yeast (Kluyveromyces marxianus var. lactis) gi|397612|emb|CAA52345| (X74292) SWI6 [Kluyveromyces lactis]		

Seq. No.	12038	Seq. ID	OJ990810_05.9B08.C19
Gene No.	25487	Strand	+
Start	1	End	436
Name	OJ990810_05.9B08.C19.o1.gs	Method	GENSCAN
Start	40	End	156
GI	none	Score	.67
Exons	40..156		

Seq. No.	12039	Seq. ID	OJ990810_05.9B08.C20
Gene No.	25488	Strand	+
Start	1	End	278
Name	OJ990810_05.9B08.C20.o1.np	Method	AAT/NAP
Start	1	End	278
GI	6907089	Score	269
Exons	1..278		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12039	Seq. ID	OJ990810_05.9B08.C20
Gene No.	25488	Strand	+
Start	1	End	278
Name	OJ990810_05.9B08.C20.o1.gs	Method	GENSCAN
Start	49	End	186
GI	none	Score	.61
Exons	49..186		

Seq. No.	12040	Seq. ID	OJ990830_01.9B04.C3
Gene No.	25489	Strand	+
Start	302	End	927
Name	OJ990830_01.9B04.C3.o1.gs	Method	GENSCAN
Start	302	End	927
GI	none	Score	.67
Exons	302..363, 617..839, 871..927		

Seq. No.	12040	Seq. ID	OJ990830_01.9B04.C3
Gene No.	25490	Strand	-
Start	2317	End	2445
Name	OJ990830_01.9B04.C3.o2.gs	Method	GENSCAN
Start	2317	End	2445
GI	none	Score	.79
Exons	2317..2445		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741

Name	OJ990830_01.9B04.C5.o1.gs	Method	GENSCAN
Start	1817	End	5302
GI	none	Score	.42
Exons	1817..1925, 2974..3294, 3393..3937, 4151..4237, 4480..4718, 4841..4960, 5057..5143, 5244..5302		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o1.np	Method	AAT/NAP
Start	3050	End	5173
GI	3337367	Score	938
Exons	3050..3294, 3393..3937, 4148..4223, 4335..4384, 4480..4718, 4841..4960, 5057..5173		
GI Descrip.	(AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o1.ts	Method	TBLASTX:Soybean
Start	3118	End	4609
GI	none	Score	89
Exons	3118..3231, 3127..3297, 3216..3254, 3395..3508, 3396..3629, 3651..3935, 4149..4214, 4152..4235, 4345..4371, 4469..4609		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o3.tm	Method	TBLASTX:Maize
Start	3121	End	3497
GI	none	Score	240
Exons	3121..3297, 3124..3225, 3162..3296, 3395..3496, 3396..3497		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o1.tc	Method	TBLASTX:Cress
Start	3127	End	3776
GI	none	Score	166
Exons	3127..3297, 3201..3293, 3392..3529, 3396..3749, 3738..3776		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o2.tm	Method	TBLASTX:Maize
Start	3600	End	3943
GI	none	Score	430
Exons	3600..3935, 3602..3742, 3806..3943, 3836..3940		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o1.tw	Method	TBLASTX:Wheat
Start	3753	End	4528
GI	none	Score	194
Exons	3753..3947, 3815..3946, 4119..4235, 4151..4234, 4326..4397, 4438..4524, 4469..4528		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o2.tc	Method	TBLASTX:Cress
Start	4151	End	4917
GI	none	Score	127
Exons	4151..4231, 4152..4235, 4469..4720, 4477..4728, 4833..4916, 4837..4917		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o1.tm	Method	TBLASTX:Maize
Start	4328	End	4961
GI	none	Score	79
Exons	4328..4384, 4329..4397, 4439..4717, 4471..4719, 4472..4720, 4833..4961, 4837..4917, 4905..4949		

Seq. No.	12041	Seq. ID	OJ990830_01.9B04.C5
Gene No.	25491	Strand	+
Start	1817	End	5741
Name	OJ990830_01.9B04.C5.o1.gp	Method	AAT/GAP
Start	5059	End	5741
GI	none	Score	951
Exons	5059..5143, 5244..5741		

Seq. No.	12042	Seq. ID	OJ990830_01.9B04.C6
Gene No.	25492	Strand	-
Start	1	End	1285
Name	OJ990830_01.9B04.C6.o1.gp	Method	AAT/GAP
Start	1	End	1281
GI	342_1.R1084	Score	2034
Exons	1..1281		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	12042	Seq. ID	OJ990830_01.9B04.C6
Gene No.	25492	Strand	-
Start	1	End	1285
Name	OJ990830_01.9B04.C6.o1.np	Method	AAT/NAP
Start	1	End	1285
GI	4680203	Score	1540
Exons	1..1285		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	12042	Seq. ID	OJ990830_01.9B04.C6
Gene No.	25492	Strand	-
Start	1	End	1285
Name	OJ990830_01.9B04.C6.o1.tw	Method	TBLASTX:Wheat
Start	22	End	364
GI	none	Score	289
Exons	22..363, 50..364		

Seq. No.	12042	Seq. ID	OJ990830_01.9B04.C6
Gene No.	25492	Strand	-
Start	1	End	1285

Name	OJ990830_01.9B04.C6.o1.gs	Method	GENSCAN
Start	54	End	1285
GI	none	Score	.49
Exons	54..644, 925..1285		

Seq. No.	12042	Seq. ID	OJ990830_01.9B04.C6
Gene No.	25492	Strand	-
Start	1	End	1285
Name	OJ990830_01.9B04.C6.o1.tm	Method	TBLASTX:Maize
Start	104	End	492
GI	none	Score	142
Exons	104..364, 106..387, 403..492		

Seq. No.	12042	Seq. ID	OJ990830_01.9B04.C6
Gene No.	25492	Strand	-
Start	1	End	1285
Name	OJ990830_01.9B04.C6.o1.tc	Method	TBLASTX:Cress
Start	151	End	499
GI	none	Score	87
Exons	151..492, 155..298, 347..499		

Seq. No.	12042	Seq. ID	OJ990830_01.9B04.C6
Gene No.	25492	Strand	-
Start	1	End	1285
Name	OJ990830_01.9B04.C6.o1.ts	Method	TBLASTX:Soybean
Start	232	End	652
GI	none	Score	102
Exons	232..528, 250..474, 523..585, 578..652, 586..651		

Seq. No.	12042	Seq. ID	OJ990830_01.9B04.C6
Gene No.	25492	Strand	-
Start	1	End	1285
Name	OJ990830_01.9B04.C6.o2.tw	Method	TBLASTX:Wheat
Start	582	End	960
GI	none	Score	60
Exons	582..659, 592..702, 593..652, 653..844, 657..836, 676..843, 827..919, 841..960		

Seq. No.	12043	Seq. ID	OJ990830_01.9B04.C7
Gene No.	25493	Strand	-
Start	257	End	2885
Name	OJ990830_01.9B04.C7.o1.gs	Method	GENSCAN
Start	257	End	2885
GI	none	Score	.88
Exons	257..522, 943..1051, 2834..2885		

Seq. No.	12044	Seq. ID	OJ990830_01.9B04.C8
Gene No.	25494	Strand	-
Start	542	End	1164
Name	OJ990830_01.9B04.C8.o1.np	Method	AAT/NAP
Start	542	End	1164
GI	6561992	Score	121
Exons	542..674, 861..970, 1035..1164		
GI Descrip.	(AL133363) putative protein [Arabidopsis thaliana]		

Seq. No.	12044	Seq. ID	OJ990830_01.9B04.C8
Gene No.	25494	Strand	-

Start	542	End	1164
Name	OJ990830_01.9B04.C8.o2.gp	Method	AAT/GAP
Start	794	End	1164
GI	286418	Score	470
Exons	794..974, 1039..1164		

Seq. No.	12045	Seq. ID	OJ990830_01.9B04.C9
Gene No.	25495	Strand	+
Start	542	End	718
Name	OJ990830_01.9B04.C9.o1.gs	Method	GENSCAN
Start	542	End	718
GI	none	Score	.54
Exons	542..718		

Seq. No.	12045	Seq. ID	OJ990830_01.9B04.C9
Gene No.	25496	Strand	+
Start	1602	End	1983
Name	OJ990830_01.9B04.C9.o1.gp	Method	AAT/GAP
Start	1602	End	1983
GI	2312718	Score	620
Exons	1602..1983		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	12046	Seq. ID	OJ990830_01.9B04.C10
Gene No.	25497	Strand	+
Start	847	End	2728
Name	OJ990830_01.9B04.C10.o1.gs	Method	GENSCAN
Start	847	End	2478
GI	none	Score	.44
Exons	847..2478		

Seq. No.	12046	Seq. ID	OJ990830_01.9B04.C10
Gene No.	25497	Strand	+
Start	847	End	2728
Name	OJ990830_01.9B04.C10.o1.np	Method	AAT/NAP
Start	847	End	2728
GI	6705984	Score	3147
Exons	847..2728		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	12046	Seq. ID	OJ990830_01.9B04.C10
Gene No.	25497	Strand	+
Start	847	End	2728
Name	OJ990830_01.9B04.C10.o1.tw	Method	TBLASTX:Wheat
Start	1288	End	1876
GI	none	Score	193
Exons	1288..1494, 1305..1469, 1330..1476, 1485..1859, 1500..1661, 1504..1860, 1700..1876		

Seq. No.	12046	Seq. ID	OJ990830_01.9B04.C10
Gene No.	25497	Strand	+
Start	847	End	2728
Name	OJ990830_01.9B04.C10.o2.tm	Method	TBLASTX:Maize
Start	1291	End	1527
GI	none	Score	257
Exons	1291..1527, 1293..1514		

Seq. No.	12046	Seq. ID	OJ990830_01.9B04.C10
Gene No.	25497	Strand	+
Start	847	End	2728
Name	OJ990830_01.9B04.C10.o2.ts	Method	TBLASTX:Soybean
Start	1344	End	1731
GI	none	Score	131
Exons	1344..1469, 1345..1476, 1510..1731		

Seq. No.	12046	Seq. ID	OJ990830_01.9B04.C10
Gene No.	25497	Strand	+
Start	847	End	2728
Name	OJ990830_01.9B04.C10.o2.tw	Method	TBLASTX:Wheat
Start	2242	End	2724
GI	none	Score	353
Exons	2242..2523, 2250..2510, 2516..2686, 2524..2694, 2530..2724, 2541..2711		

Seq. No.	12046	Seq. ID	OJ990830_01.9B04.C10
Gene No.	25497	Strand	+
Start	847	End	2728
Name	OJ990830_01.9B04.C10.o1.ts	Method	TBLASTX:Soybean
Start	2293	End	2727
GI	none	Score	214
Exons	2293..2580, 2325..2558, 2554..2727		

Seq. No.	12046	Seq. ID	OJ990830_01.9B04.C10
Gene No.	25497	Strand	+
Start	847	End	2728
Name	OJ990830_01.9B04.C10.o1.tm	Method	TBLASTX:Maize
Start	2479	End	2724
GI	none	Score	303
Exons	2479..2724, 2484..2720, 2488..2724		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25498	Strand	+
Start	1	End	7212
Name	OJ990830_01.9B04.C11.o1.np	Method	AAT/NAP
Start	1	End	2684
GI	6705984	Score	4648
Exons	1..2684		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25498	Strand	+
Start	1	End	7212
Name	OJ990830_01.9B04.C11.o1.gs	Method	GENSCAN
Start	64	End	7212
GI	none	Score	.69
Exons	64..1536, 1602..1705, 1790..2777, 3370..3544, 4022..4141, 4795..5192, 5203..5708, 6305..6543, 6667..6785, 6898..7009, 7112..7212		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25498	Strand	+
Start	1	End	7212
Name	OJ990830_01.9B04.C11.o1.gp	Method	AAT/GAP

Start	2643	End	3028
GI	2312718	Score	748
Exons	2643..3028		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25498	Strand	+
Start	1	End	7212
Name	OJ990830_01.9B04.C11.o2.gp	Method	AAT/GAP
Start	3203	End	3544
GI	25792_1.R1084	Score	643
Exons	3203..3544		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25498	Strand	+
Start	1	End	7212
Name	OJ990830_01.9B04.C11.o2.np	Method	AAT/NAP
Start	4807	End	7045
GI	3337367	Score	1008
Exons	4807..5054, 5164..5708, 5960..6049, 6273..6543, 6667..6785, 6923..7045		
GI Descrip.	(AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o8.tm	Method	TBLASTX:Maize
Start	28	End	177
GI	none	Score	229
Exons	28..177, 36..176		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o4.tw	Method	TBLASTX:Wheat
Start	133	End	615
GI	none	Score	393
Exons	133..615, 228..611		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o4.tm	Method	TBLASTX:Maize
Start	202	End	669
GI	none	Score	401
Exons	202..669, 273..626		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o2.ts	Method	TBLASTX:Soybean
Start	592	End	951
GI	none	Score	343
Exons	592..951, 597..632, 711..950		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o5.tw	Method	TBLASTX:Wheat
Start	664	End	1065
GI	none	Score	313
Exons	664..1065, 711..1064		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o5.tm	Method	TBLASTX:Maize
Start	712	End	1215
GI	none	Score	392
Exons	712..1215, 753..1133, 949..1137		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o1.ts	Method	TBLASTX:Soybean
Start	976	End	1232
GI	none	Score	343
Exons	976..1230, 979..1215, 1002..1232		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o1.tw	Method	TBLASTX:Wheat
Start	1152	End	1580
GI	none	Score	559
Exons	1152..1484, 1153..1506, 1489..1545, 1490..1552, 1535..1579, 1536..1580		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o4.ts	Method	TBLASTX:Soybean
Start	1237	End	1431
GI	none	Score	155
Exons	1237..1341, 1251..1349, 1345..1431, 1347..1430		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o1.tc	Method	TBLASTX:Cress
Start	1535	End	1895
GI	none	Score	442
Exons	1535..1894, 1554..1895		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o1.tm	Method	TBLASTX:Maize
Start	1613	End	1962
GI	none	Score	515
Exons	1613..1957, 1614..1958, 1798..1962		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o3.tw	Method	TBLASTX:Wheat
Start	1707	End	2066
GI	none	Score	431
Exons	1707..2066, 1711..2055, 1712..2056, 1749..2060		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o6.ts	Method	TBLASTX:Soybean
Start	1755	End	2030
GI	none	Score	84
Exons	1755..1820, 1761..1835, 1848..2030, 1875..2030		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o9.tm	Method	TBLASTX:Maize
Start	1965	End	2258
GI	none	Score	221
Exons	1965..2258		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o2.tw	Method	TBLASTX:Wheat
Start	2097	End	2495
GI	none	Score	558
Exons	2097..2495, 2099..2488, 2121..2489		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o6.tm	Method	TBLASTX:Maize
Start	2414	End	2660
GI	none	Score	349
Exons	2414..2659, 2415..2660		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o2.tc	Method	TBLASTX:Cress
Start	4914	End	5505
GI	none	Score	155
Exons	4914..5057, 4952..5050, 5152..5505, 5166..5246		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o7.tm	Method	TBLASTX:Maize
Start	4914	End	5313
GI	none	Score	179
Exons	4914..5063, 4943..5062, 5157..5249, 5167..5250, 5167..5313		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o3.ts	Method	TBLASTX:Soybean
Start	4917	End	6047
GI	none	Score	73
Exons	4917..5066, 5157..5249, 5167..5250, 5314..5706, 5964..6047		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o2.tm	Method	TBLASTX:Maize
Start	5344	End	5708
GI	none	Score	463
Exons	5344..5706, 5344..5427, 5370..5513, 5503..5706, 5559..5708		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o6.tw	Method	TBLASTX:Wheat
Start	5524	End	6355
GI	none	Score	194
Exons	5524..5706, 5527..5706, 5559..5708, 5601..5708, 5963..6046, 5964..6047, 6144..6200, 6302..6355, 6303..6353		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o3.tc	Method	TBLASTX:Cress
Start	5963	End	6545
GI	none	Score	118
Exons	5963..6046, 5964..6047, 6147..6197, 6296..6544, 6303..6545		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o3.tm	Method	TBLASTX:Maize
Start	6147	End	6779
GI	none	Score	63
Exons	6147..6200, 6150..6200, 6302..6544, 6303..6545, 6648..6779, 6659..6775		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o5.ts	Method	TBLASTX:Soybean
Start	6354	End	6761
GI	none	Score	142
Exons	6354..6545, 6645..6761, 6662..6736		

Seq. No.	12047	Seq. ID	OJ990830_01.9B04.C11
Gene No.	25499	Strand	-
Start	9258	End	10119
Name	OJ990830_01.9B04.C11.o2.gs	Method	GENSCAN
Start	9258	End	10119
GI	none	Score	.58
Exons	9258..9310, 10065..10119		

Seq. No.	12048	Seq. ID	OJ990830_01.9B04.C12
Gene No.	25500	Strand	+
Start	1	End	322
Name	OJ990830_01.9B04.C12.o1.np	Method	AAT/NAP
Start	1	End	322
GI	99922	Score	226
Exons	1..322		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	12049	Seq. ID	OJ990830_01.9B04.C16
Gene No.	25501	Strand	+
Start	59	End	444
Name	OJ990830_01.9B04.C16.o1.gs	Method	GENSCAN
Start	59	End	444
GI	none	Score	.71
Exons	59..253, 310..444		

Seq. No.	12050	Seq. ID	OJ990830_01.9B04.C18
Gene No.	25502	Strand	-
Start	597	End	1884
Name	OJ990830_01.9B04.C18.o1.np	Method	AAT/NAP
Start	597	End	1884
GI	5091513	Score	710
Exons	597..1671, 1822..1884		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12051	Seq. ID	OJ990830_01.9B04.C19
Gene No.	25503	Strand	-
Start	94	End	2655
Name	OJ990830_01.9B04.C19.o1.gs	Method	GENSCAN
Start	94	End	2648
GI	none	Score	.75
Exons	94..219, 1030..1096, 1619..1673, 2385..2648		

Seq. No.	12051	Seq. ID	OJ990830_01.9B04.C19
Gene No.	25503	Strand	-
Start	94	End	2655
Name	OJ990830_01.9B04.C19.o1.gp	Method	AAT/GAP
Start	2112	End	2655
GI	3548963	Score	958
Exons	2112..2655		

Seq. No.	12052	Seq. ID	OJ990830_01.9B04.C20
Gene No.	25504	Strand	+
Start	180	End	398
Name	OJ990830_01.9B04.C20.o1.gs	Method	GENSCAN
Start	180	End	398
GI	none	Score	.66
Exons	180..257, 310..398		

Seq. No.	12052	Seq. ID	OJ990830_01.9B04.C20
Gene No.	25505	Strand	-
Start	967	End	1595
Name	OJ990830_01.9B04.C20.o2.gs	Method	GENSCAN
Start	967	End	1569

GI	none	Score	.89
Exons	967..1569		

Seq. No.	12052	Seq. ID	OJ990830_01.9B04.C20
Gene No.	25505	Strand	-
Start	967	End	1595
Name	OJ990830_01.9B04.C20.o1.np	Method	AAT/NAP
Start	1044	End	1595
GI	5091513	Score	588
Exons	1044..1595		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12053	Seq. ID	OJ990830_01.9B04.C21
Gene No.	25506	Strand	+
Start	433	End	6465
Name	OJ990830_01.9B04.C21.o1.gs	Method	GENSCAN
Start	433	End	5447
GI	none	Score	.43
Exons	433..531, 1866..2018, 3148..3300, 3349..3441, 3877..3952, 4388..4986, 5097..5447		

Seq. No.	12053	Seq. ID	OJ990830_01.9B04.C21
Gene No.	25506	Strand	+
Start	433	End	6465
Name	OJ990830_01.9B04.C21.o1.np	Method	AAT/NAP
Start	4024	End	6465
GI	4680203	Score	505
Exons	4024..4257, 4534..5258, 6442..6465		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	12053	Seq. ID	OJ990830_01.9B04.C21
Gene No.	25507	Strand	-
Start	6015	End	6493
Name	OJ990830_01.9B04.C21.o2.tw	Method	TBLASTX:Wheat
Start	3382	End	3888
GI	none	Score	195
Exons	3382..3669, 3504..3692, 3721..3840, 3727..3846, 3746..3847, 3838..3888		

Seq. No.	12053	Seq. ID	OJ990830_01.9B04.C21
Gene No.	25507	Strand	-
Start	6015	End	6493
Name	OJ990830_01.9B04.C21.o1.ts	Method	TBLASTX:Soybean
Start	3394	End	3669
GI	none	Score	277
Exons	3394..3669, 3408..3560		

Seq. No.	12053	Seq. ID	OJ990830_01.9B04.C21
Gene No.	25507	Strand	-
Start	6015	End	6493
Name	OJ990830_01.9B04.C21.o1.tm	Method	TBLASTX:Maize
Start	4111	End	4494
GI	none	Score	63
Exons	4111..4179, 4179..4490, 4180..4494, 4342..4491		

Seq. No.	12053	Seq. ID	OJ990830_01.9B04.C21
Gene No.	25507	Strand	-

Start	6015	End	6493
Name	OJ990830_01.9B04.C21.o1.tw	Method	TBLASTX:Wheat
Start	4135	End	5315
GI	none	Score	476
Exons	4135..4854, 4390..4650, 4869..5015, 4876..4998, 5019..5123, 5052..5105, 5127..5234, 5141..5233, 5229..5297, 5247..5315		

Seq. No.	12053	Seq. ID	OJ990830_01.9B04.C21
Gene No.	25507	Strand	-
Start	6015	End	6493
Name	OJ990830_01.9B04.C21.o1.tc	Method	TBLASTX:Cress
Start	4426	End	4854
GI	none	Score	289
Exons	4426..4854, 4462..4650		

Seq. No.	12053	Seq. ID	OJ990830_01.9B04.C21
Gene No.	25507	Strand	-
Start	6015	End	6493
Name	OJ990830_01.9B04.C21.o2.gs	Method	GENSCAN
Start	6015	End	6493
GI	none	Score	.81
Exons	6015..6137, 6302..6493		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25508	Strand	+
Start	2266	End	2664
Name	OJ990830_01.9B04.C22.o1.gp	Method	AAT/GAP
Start	2266	End	2664
GI	1036889	Score	426
Exons	2266..2664		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o2.gs	Method	GENSCAN
Start	2523	End	3413
GI	none	Score	.83
Exons	2523..2635, 2695..2812, 2944..3062, 3224..3413		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o1.np	Method	AAT/NAP
Start	2687	End	5057
GI	3337367	Score	958
Exons	2687..2812, 2944..3062, 3224..3462, 3779..3824, 3929..4008, 4171..4715, 4822..5057		
GI Descrip.	(AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o2.tc	Method	TBLASTX:Cress
Start	3222	End	4004
GI	none	Score	90
Exons	3222..3464, 3223..3465, 3919..3993, 3921..4004		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o3.tm	Method	TBLASTX:Maize
Start	3225	End	3471
GI	none	Score	213
Exons	3225..3458, 3225..3464, 3226..3465, 3247..3471		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o1.tw	Method	TBLASTX:Wheat
Start	3426	End	4355
GI	none	Score	70
Exons	3426..3464, 3781..3852, 3921..4004, 3922..3993, 4162..4296, 4173..4352, 4173..4355		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o1.ts	Method	TBLASTX:Soybean
Start	3921	End	4716
GI	none	Score	67
Exons	3921..4016, 3942..4019, 4173..4565, 4638..4712, 4666..4716		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o3.gs	Method	GENSCAN
Start	4119	End	6793
GI	none	Score	.89
Exons	4119..4715, 4822..5130, 6594..6637, 6688..6793		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o1.tm	Method	TBLASTX:Maize
Start	4171	End	4535
GI	none	Score	106
Exons	4171..4305, 4173..4535, 4260..4535		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o1.tc	Method	TBLASTX:Cress
Start	4375	End	4989
GI	none	Score	41
Exons	4375..4455, 4440..4700, 4440..4565, 4641..4730, 4813..4989, 4814..4987		

Seq. No.	12054	Seq. ID	OJ990830_01.9B04.C22
Gene No.	25509	Strand	-
Start	2523	End	6793
Name	OJ990830_01.9B04.C22.o2.tm	Method	TBLASTX:Maize
Start	4617	End	4989
GI	none	Score	124
Exons	4617..4712, 4637..4717, 4645..4713, 4819..4989, 4820..4978,		

4906..4980

Seq. No.	12055	Seq. ID	OJ990830_01.9B04.C23
Gene No.	25510	Strand	+
Start	1112	End	1663
Name	OJ990830_01.9B04.C23.o1.gp	Method	AAT/GAP
Start	1112	End	1663
GI	4879016	Score	797
Exons	1112..1663		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	12055	Seq. ID	OJ990830_01.9B04.C23
Gene No.	25511	Strand	+
Start	2589	End	2947
Name	OJ990830_01.9B04.C23.o2.gs	Method	GENSCAN
Start	2589	End	2947
GI	none	Score	.61
Exons	2589..2740, 2776..2947		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25512	Strand	+
Start	10371	End	19873
Name	OJ990830_01.9B04.C24.o2.np	Method	AAT/NAP
Start	10371	End	13302
GI	6498436	Score	599
Exons	10371..10393, 12611..12918, 13173..13302		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25512	Strand	+
Start	10371	End	19873
Name	OJ990830_01.9B04.C24.o3.np	Method	AAT/NAP
Start	12863	End	17180
GI	4006833	Score	447
Exons	12863..12886, 15912..17180		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25512	Strand	+
Start	10371	End	19873
Name	OJ990830_01.9B04.C24.o4.np	Method	AAT/NAP
Start	13562	End	19386
GI	4538901	Score	473
Exons	13562..13624, 15906..17834, 19354..19386		
GI Descrip.	(AL049482) RNA-directed DNA polymerase-like protein [Arabidopsis thaliana]		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25512	Strand	+
Start	10371	End	19873
Name	OJ990830_01.9B04.C24.o5.np	Method	AAT/NAP
Start	17968	End	19873
GI	3337367	Score	341
Exons	17968..18374, 18903..18985, 19110..19157, 19303..19498,		

19765..19873
GI Descrip. (AC004481) hypothetical protein [Arabidopsis thaliana]

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o1.gs	Method	GENSCAN
Start	334	End	6610
GI	none	Score	.57
Exons	334..446, 847..911, 1341..1416, 1514..1729, 5194..5263, 5534..5609, 5963..6365, 6367..6610		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o1.np	Method	AAT/NAP
Start	965	End	10342
GI	3337367	Score	951
Exons	965..1090, 1240..1358, 1514..1752, 7822..7867, 7972..8051, 9446..9990, 10094..10342		

GI Descrip. (AC004481) hypothetical protein [Arabidopsis thaliana]

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o3.tm	Method	TBLASTX:Maize
Start	1515	End	19513
GI	none	Score	149
Exons	1515..1643, 1515..1661, 1516..1755, 1517..1750, 1537..1761, 19300..19479, 19301..19513, 19316..19498		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o2.tw	Method	TBLASTX:Wheat
Start	1708	End	19353
GI	none	Score	60
Exons	1708..1755, 1716..1754, 7824..7895, 7962..8036, 7964..8047, 9446..9571, 9448..9627, 9448..9630, 18285..18377, 18287..18379, 18912..18995, 18914..18994, 19098..19157, 19099..19155, 19300..19353, 19301..19348		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o2.tm	Method	TBLASTX:Maize
Start	9446	End	18379
GI	none	Score	105
Exons	9446..9580, 9448..9639, 9535..9810, 9599..9703, 9709..9810, 18075..18179, 18078..18176, 18079..18210, 18167..18214, 18247..18297, 18285..18377, 18288..18377, 18290..18379		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o1.tc	Method	TBLASTX:Cress
Start	9715	End	10285

GI	none	Score	84
Exons	9715..9975, 9715..9840, 9916..9987, 10085..10285, 10086..10259		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o4.tm	Method	TBLASTX:Maize
Start	9892	End	15901
GI	none	Score	124
Exons	9892..9987, 9912..9986, 10091..10267, 10092..10250, 15566..15646, 15678..15728, 15686..15721, 15809..15829, 15809..15829, 15836..15901, 15851..15901		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o1.tm	Method	TBLASTX:Maize
Start	15937	End	16895
GI	none	Score	59
Exons	15937..16032, 16025..16237, 16030..16218, 16269..16721, 16271..16702, 16713..16838, 16869..16895		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o3.tw	Method	TBLASTX:Wheat
Start	16094	End	16379
GI	none	Score	121
Exons	16094..16243, 16254..16379, 16256..16363		

Seq. No.	12056	Seq. ID	OJ990830_01.9B04.C24
Gene No.	25513	Strand	-
Start	334	End	19513
Name	OJ990830_01.9B04.C24.o1.tw	Method	TBLASTX:Wheat
Start	16713	End	17180
GI	none	Score	273
Exons	16713..17075, 16724..17059, 16752..17063, 17082..17180		

Seq. No.	12057	Seq. ID	OJ990830_01.9B04.C25
Gene No.	25514	Strand	-
Start	1046	End	2298
Name	OJ990830_01.9B04.C25.o1.gs	Method	GENSCAN
Start	1046	End	2298
GI	none	Score	.7
Exons	1046..1225, 1325..1415, 1885..2058, 2147..2298		

Seq. No.	12058	Seq. ID	OJ990830_01.9B04.C26
Gene No.	25515	Strand	+
Start	383	End	842
Name	OJ990830_01.9B04.C26.o1.gs	Method	GENSCAN
Start	383	End	842
GI	none	Score	.82
Exons	383..579, 662..769, 831..842		

Seq. No.	12058	Seq. ID	OJ990830_01.9B04.C26
Gene No.	25516	Strand	+
Start	2916	End	4870

Name	OJ990830_01.9B04.C26.o2.np	Method	AAT/NAP
Start	2916	End	4870
GI	4680186	Score	173
Exons	2916..2996, 4667..4870		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12058	Seq. ID	OJ990830_01.9B04.C26
Gene No.	25517	Strand	-
Start	1	End	6801
Name	OJ990830_01.9B04.C26.o1.np	Method	AAT/NAP
Start	1	End	2305
GI	4680204	Score	899
Exons	1..141, 312..814, 906..2305		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	12058	Seq. ID	OJ990830_01.9B04.C26
Gene No.	25517	Strand	-
Start	1	End	6801
Name	OJ990830_01.9B04.C26.o2.gs	Method	GENSCAN
Start	1126	End	6517
GI	none	Score	.64
Exons	1126..1778, 1825..2224, 3035..3101, 3451..3774, 3841..3862, 4586..4723, 5283..5328, 5784..6517		

Seq. No.	12058	Seq. ID	OJ990830_01.9B04.C26
Gene No.	25517	Strand	-
Start	1	End	6801
Name	OJ990830_01.9B04.C26.o1.tw	Method	TBLASTX:Wheat
Start	1285	End	1686
GI	none	Score	56
Exons	1285..1455, 1286..1402, 1445..1585, 1450..1686, 1492..1686		

Seq. No.	12058	Seq. ID	OJ990830_01.9B04.C26
Gene No.	25517	Strand	-
Start	1	End	6801
Name	OJ990830_01.9B04.C26.o3.np	Method	AAT/NAP
Start	5263	End	6801
GI	6907087	Score	451
Exons	5263..5359, 5900..6801		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12059	Seq. ID	OJ990830_01.9B04.C27
Gene No.	25518	Strand	-
Start	608	End	2158
Name	OJ990830_01.9B04.C27.o1.gs	Method	GENSCAN
Start	608	End	2033
GI	none	Score	.55
Exons	608..880, 944..1183, 1434..2033		

Seq. No.	12059	Seq. ID	OJ990830_01.9B04.C27
Gene No.	25518	Strand	-
Start	608	End	2158
Name	OJ990830_01.9B04.C27.o1.tw	Method	TBLASTX:Wheat
Start	683	End	1988
GI	none	Score	53

Exons	683..775, 684..749, 700..771, 776..844, 792..845, 849..947, 850..966, 851..967, 858..998, 869..997, 927..1040, 977..1036, 1042..1107, 1043..1084, 1053..1088, 1091..1318, 1094..1339, 1354..1413, 1422..1775, 1428..1982, 1438..1983, 1803..1988, 1883..1984		

Seq. No.	12059	Seq. ID	OJ990830_01.9B04.C27
Gene No.	25518	Strand	-
Start	608	End	2158
Name	OJ990830_01.9B04.C27.o1.np	Method	AAT/NAP
Start	1152	End	2158
GI	6742729	Score	1420
Exons	1152..2158		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	12059	Seq. ID	OJ990830_01.9B04.C27
Gene No.	25518	Strand	-
Start	608	End	2158
Name	OJ990830_01.9B04.C27.o1.tc	Method	TBLASTX:Cress
Start	1250	End	1695
GI	none	Score	109
Exons	1250..1318, 1354..1413, 1422..1691, 1428..1691, 1438..1695, 1438..1695		

Seq. No.	12059	Seq. ID	OJ990830_01.9B04.C27
Gene No.	25518	Strand	-
Start	608	End	2158
Name	OJ990830_01.9B04.C27.o1.tm	Method	TBLASTX:Maize
Start	1626	End	1940
GI	none	Score	144
Exons	1626..1940, 1654..1929		

Seq. No.	12060	Seq. ID	OJ990810_02.9B08.C1
Gene No.	25519	Strand	-
Start	1	End	727
Name	OJ990810_02.9B08.C1.o1.np	Method	AAT/NAP
Start	1	End	727
GI	4572671	Score	201
Exons	1..31, 446..727		
GI Descrip.	(AC006954) putative cyclic nucleotide-regulated ion channel protein [Arabidopsis thaliana]		

Seq. No.	12060	Seq. ID	OJ990810_02.9B08.C1
Gene No.	25519	Strand	-
Start	1	End	727
Name	OJ990810_02.9B08.C1.o1.tm	Method	TBLASTX:Maize
Start	451	End	722
GI	none	Score	42
Exons	451..525, 468..575, 573..722, 585..641		

Seq. No.	12060	Seq. ID	OJ990810_02.9B08.C1
Gene No.	25519	Strand	-
Start	1	End	727
Name	OJ990810_02.9B08.C1.o1.gp	Method	AAT/GAP
Start	467	End	725
GI	2427543	Score	472
Exons	467..725		

GI Descrip. 4572671/gb|AAD23886.1|AC006954_7 1.0e-31 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]

Seq. No.	12060	Seq. ID	OJ990810_02.9B08.C1
Gene No.	25519	Strand	-
Start	1	End	727
Name	OJ990810_02.9B08.C1.o1.tc	Method	TBLASTX:Cress
Start	468	End	698
GI	none	Score	209
Exons	468..698		

Seq. No.	12060	Seq. ID	OJ990810_02.9B08.C1
Gene No.	25519	Strand	-
Start	1	End	727
Name	OJ990810_02.9B08.C1.o1.ts	Method	TBLASTX:Soybean
Start	468	End	698
GI	none	Score	211
Exons	468..698		

Seq. No.	12060	Seq. ID	OJ990810_02.9B08.C1
Gene No.	25519	Strand	-
Start	1	End	727
Name	OJ990810_02.9B08.C1.o1.gs	Method	GENSCAN
Start	471	End	651
GI	none	Score	.81
Exons	471..651		

Seq. No.	12061	Seq. ID	OJ990810_02.9B08.C2
Gene No.	25520	Strand	+
Start	1730	End	2009
Name	OJ990810_02.9B08.C2.o2.gp	Method	AAT/GAP
Start	1730	End	2009
GI	3107308	Score	544
Exons	1730..2009		

Seq. No.	12061	Seq. ID	OJ990810_02.9B08.C2
Gene No.	25521	Strand	-
Start	1	End	688
Name	OJ990810_02.9B08.C2.o1.gp	Method	AAT/GAP
Start	1	End	688
GI	uC-osf1M202089c01b1	Score	652
Exons	1..110, 443..688		

GI Descrip. '4572671/gb|AAD23886.1|AC006954_7 1.0e-31 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'

Seq. No.	12061	Seq. ID	OJ990810_02.9B08.C2
Gene No.	25522	Strand	-
Start	3350	End	5857
Name	OJ990810_02.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	3337	End	3706
GI	none	Score	123
Exons	3337..3459, 3352..3480, 3353..3706, 3354..3650, 3545..3661		

Seq. No.	12061	Seq. ID	OJ990810_02.9B08.C2
Gene No.	25522	Strand	-
Start	3350	End	5857
Name	OJ990810_02.9B08.C2.o2.gs	Method	GENSCAN

Start	3350	End	5857
GI	none	Score	.78
Exons	3350..4467, 4724..4840, 5211..5307, 5735..5857		

Seq. No.	12061	Seq. ID	OJ990810_02.9B08.C2
Gene No.	25522	Strand	-
Start	3350	End	5857
Name	OJ990810_02.9B08.C2.o2.ts	Method	TBLASTX:Soybean
Start	3443	End	3646
GI	none	Score	144
Exons	3443..3646, 3444..3644		

Seq. No.	12061	Seq. ID	OJ990810_02.9B08.C2
Gene No.	25522	Strand	-
Start	3350	End	5857
Name	OJ990810_02.9B08.C2.o2.tm	Method	TBLASTX:Maize
Start	4047	End	4291
GI	none	Score	68
Exons	4047..4121, 4058..4120, 4163..4291, 4181..4252		

Seq. No.	12061	Seq. ID	OJ990810_02.9B08.C2
Gene No.	25522	Strand	-
Start	3350	End	5857
Name	OJ990810_02.9B08.C2.o1.ts	Method	TBLASTX:Soybean
Start	4058	End	4291
GI	none	Score	166
Exons	4058..4120, 4163..4291		

Seq. No.	12061	Seq. ID	OJ990810_02.9B08.C2
Gene No.	25522	Strand	-
Start	3350	End	5857
Name	OJ990810_02.9B08.C2.o3.gp	Method	AAT/GAP
Start	4599	End	4999
GI	701048	Score	760
Exons	4599..4999		

Seq. No.	12062	Seq. ID	OJ990810_02.9B08.C3
Gene No.	25523	Strand	-
Start	290	End	458
Name	OJ990810_02.9B08.C3.o1.gs	Method	GENSCAN
Start	290	End	458
GI	none	Score	.91
Exons	290..458		

Seq. No.	12063	Seq. ID	OJ990810_02.9B08.C4
Gene No.	25524	Strand	-
Start	233	End	1333
Name	OJ990810_02.9B08.C4.o2.tm	Method	TBLASTX:Maize
Start	228	End	348
GI	none	Score	57
Exons	228..344, 234..344, 235..348		

Seq. No.	12063	Seq. ID	OJ990810_02.9B08.C4
Gene No.	25524	Strand	-
Start	233	End	1333
Name	OJ990810_02.9B08.C4.o1.gs	Method	GENSCAN
Start	233	End	1263

GI	none	Score	.72
Exons	233..427, 588..682, 908..1263		
Seq. No.	12063	Seq. ID	OJ990810_02.9B08.C4
Gene No.	25524	Strand	-
Start	233	End	1333
Name	OJ990810_02.9B08.C4.o1.np	Method	AAT/NAP
Start	233	End	1333
GI	4557445	Score	109
Exons	233..427, 588..727, 908..993, 1213..1333		
GI Descrip.	RCC1-like G exchanging factor RLG gi|3789799 (AF060219) RCC1-like G exchanging factor RLG [Homo sapiens]		
Seq. No.	12063	Seq. ID	OJ990810_02.9B08.C4
Gene No.	25524	Strand	-
Start	233	End	1333
Name	OJ990810_02.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	907	End	1230
GI	none	Score	218
Exons	907..1020, 908..1114, 1059..1148, 1111..1230, 1178..1228		
Seq. No.	12064	Seq. ID	OJ990810_02.9B08.C5
Gene No.	25525	Strand	+
Start	30	End	439
Name	OJ990810_02.9B08.C5.o1.gs	Method	GENSCAN
Start	30	End	439
GI	none	Score	1
Exons	30..167, 335..439		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25526	Strand	+
Start	1	End	1232
Name	OJ990810_02.9B08.C6.o1.np	Method	AAT/NAP
Start	1	End	535
GI	2194139	Score	75
Exons	1..60, 312..535		
GI Descrip.	(AC002062) EST gb|ATTS0887 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25526	Strand	+
Start	1	End	1232
Name	OJ990810_02.9B08.C6.o1.gs	Method	GENSCAN
Start	311	End	1232
GI	none	Score	.85
Exons	311..440, 1126..1232		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25527	Strand	+
Start	2835	End	4839
Name	OJ990810_02.9B08.C6.o1.gp	Method	AAT/GAP
Start	2796	End	4839
GI	16849_1.R1084	Score	984
Exons	2796..3011, 4543..4839		
GI Descrip.	'3047100/gb|AF058919|AF058919 1.0e-08 Arabidopsis thaliana BAC F6N23'		

Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25527	Strand	+
Start	2835	End	4839
Name	OJ990810_02.9B08.C6.o2.gs	Method	GENSCAN
Start	2835	End	4831
GI	none	Score	.93
Exons	2835..3011, 4505..4831		

Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25528	Strand	-
Start	5194	End	6540
Name	OJ990810_02.9B08.C6.o3.gs	Method	GENSCAN
Start	5194	End	6540
GI	none	Score	.99
Exons	5194..6540		

Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25528	Strand	-
Start	5194	End	6540
Name	OJ990810_02.9B08.C6.o2.np	Method	AAT/NAP
Start	5197	End	6451
GI	6652882	Score	855
Exons	5197..6451		
GI Descrip.	(AF123392) 26S proteasome AAA-ATPase subunit RPT3 [Arabidopsis thaliana]		

Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o4.tm	Method	TBLASTX:Maize
Start	299	End	448
GI	none	Score	118
Exons	299..442, 310..444, 311..448, 313..444		

Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o3.tm	Method	TBLASTX:Maize
Start	2776	End	3014
GI	none	Score	257
Exons	2776..2814, 2829..2903, 2874..3014, 2876..3013		

Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o1.tw	Method	TBLASTX:Wheat
Start	2802	End	4697
GI	none	Score	249
Exons	2802..2903, 2874..3017, 2876..3016, 4519..4659, 4537..4623, 4541..4639, 4569..4652, 4649..4684, 4656..4697, 4660..4692		

Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o2.tc	Method	TBLASTX:Cress
Start	2874	End	4608
GI	none	Score	212

Exons	2874..3011, 2876..3010, 4519..4608		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o2.ts	Method	TBLASTX:Soybean
Start	2874	End	4614
GI	none	Score	231
Exons	2874..3017, 2876..3016, 4519..4614, 4537..4614		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o1.tc	Method	TBLASTX:Cress
Start	5224	End	6138
GI	none	Score	35
Exons	5224..5343, 5404..5445, 5440..5613, 5453..5554, 5554..5628, 5674..5751, 5675..5758, 5755..6009, 5777..5995, 6037..6138		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o1.tm	Method	TBLASTX:Maize
Start	5224	End	6138
GI	none	Score	58
Exons	5224..5343, 5243..5320, 5383..5445, 5404..5445, 5440..5613, 5443..5628, 5674..5751, 5675..5752, 5755..6009, 5762..5995, 6037..6138		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o1.ts	Method	TBLASTX:Soybean
Start	5224	End	6138
GI	none	Score	43
Exons	5224..5343, 5258..5320, 5353..5445, 5404..5445, 5440..5613, 5443..5613, 5674..5751, 5675..5758, 5755..6009, 5777..5995, 6032..6115, 6037..6138		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o2.tw	Method	TBLASTX:Wheat
Start	5761	End	5989
GI	none	Score	180
Exons	5761..5988, 5762..5989		
Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o3.np	Method	AAT/NAP
Start	7538	End	7946
GI	3152591	Score	313
Exons	7538..7946		
GI Descrip.	(AC002986) Similar to hypothetical protein gb|Z97336 from A. thaliana. This gene is probably cut off. [Arabidopsis thaliana]		

Seq. No.	12065	Seq. ID	OJ990810_02.9B08.C6
Gene No.	25529	Strand	-
Start	7538	End	7946
Name	OJ990810_02.9B08.C6.o2.tm	Method	TBLASTX:Maize
Start	7642	End	7874
GI	none	Score	296
Exons	7642..7866, 7643..7873, 7644..7874		

Seq. No.	12066	Seq. ID	OJ990810_02.9B08.C7
Gene No.	25530	Strand	+
Start	5770	End	8110
Name	OJ990810_02.9B08.C7.o2.np	Method	AAT/NAP
Start	5770	End	8110
GI	3805764	Score	852
Exons	5770..6426, 6920..7114, 7189..7394, 7844..8110		
GI Descrip.	(AC005693) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12066	Seq. ID	OJ990810_02.9B08.C7
Gene No.	25531	Strand	-
Start	1	End	3091
Name	OJ990810_02.9B08.C7.o1.np	Method	AAT/NAP
Start	1	End	3091
GI	3152591	Score	733
Exons	1..30, 591..808, 919..1101, 1214..1327, 1439..1684, 1770..1907, 2489..2907, 2940..3091		
GI Descrip.	(AC002986) Similar to hypothetical protein gb|Z97336 from A. thaliana. This gene is probably cut off. [Arabidopsis thaliana]		

Seq. No.	12066	Seq. ID	OJ990810_02.9B08.C7
Gene No.	25531	Strand	-
Start	1	End	3091
Name	OJ990810_02.9B08.C7.o1.gs	Method	GENSCAN
Start	488	End	3082
GI	none	Score	.87
Exons	488..524, 591..808, 1214..1327, 1439..1549, 1770..1907, 2489..3082		

Seq. No.	12066	Seq. ID	OJ990810_02.9B08.C7
Gene No.	25532	Strand	
Start	5818	End	6126
Name	OJ990810_02.9B08.C7.o1.ts	Method	TBLASTX:Soybean
Start	5818	End	6126
GI	none	Score	216
Exons	5818..6126, 5850..6125		

Seq. No.	12066	Seq. ID	OJ990810_02.9B08.C7
Gene No.	25532	Strand	
Start	5818	End	6126
Name	OJ990810_02.9B08.C7.o1.tc	Method	TBLASTX:Cress
Start	5844	End	6081
GI	none	Score	187
Exons	5844..6077, 5845..6081		

Seq. No.	12066	Seq. ID	OJ990810_02.9B08.C7
Gene No.	25533	Strand	
Start	7072	End	8030
Name	OJ990810_02.9B08.C7.o1.tm	Method	TBLASTX:Maize

Start	7072	End	8030
GI	none	Score	59
Exons	7072..7116, 7073..7117, 7225..7290, 7226..7291, 7227..7289, 7699..8016, 7701..8027, 7712..8029, 7761..8030		

Seq. No.	12067	Seq. ID	OJ990810_02.9B08.C8
Gene No.	25534	Strand	-
Start	953	End	1203
Name	OJ990810_02.9B08.C8.o1.np	Method	AAT/NAP
Start	953	End	1203
GI	2580499	Score	91
Exons	953..1052, 1175..1203		
GI Descrip.	(U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25535	Strand	+
Start	21559	End	22050
Name	OJ990810_02.9B08.C9.o6.np	Method	AAT/NAP
Start	21556	End	22023
GI	1403711	Score	110
Exons	21556..21639, 21754..22023		
GI Descrip.	(U59380) thioredoxin-h-like-2 [Brassica napus]		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25535	Strand	+
Start	21559	End	22050
Name	OJ990810_02.9B08.C9.o5.gs	Method	GENSCAN
Start	21559	End	22050
GI	none	Score	.89
Exons	21559..21639, 21754..22050		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25536	Strand	-
Start	1	End	4310
Name	OJ990810_02.9B08.C9.o1.gp	Method	AAT/GAP
Start	1	End	247
GI	494_1.R1084	Score	240
Exons	1..71, 150..247		
GI Descrip.	'480669/pir||S37156 5.0e-16 NADPH--ferrihemoprotein reductase (EC 1.6.2.4) - Jerusalem artichoke (fragment) >gi_1359894_emb_CAA81210_ (Z26251) NADPH-ferrihemoprotein reductase [Helianthus tuberosus]'		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25536	Strand	-
Start	1	End	4310
Name	OJ990810_02.9B08.C9.o1.np	Method	AAT/NAP
Start	1	End	4261
GI	2809385	Score	1692
Exons	1..71, 150..299, 1156..1252, 1330..1481, 1550..1633, 1726..1953, 2064..2156, 2238..2432, 2587..2656, 3185..3221, 3303..3386, 3477..3534, 3657..3733, 3834..3893, 3974..4261		
GI Descrip.	(AF024634) NADPH cytochrome P450 reductase [Petroselinum crispum]		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9

Gene No.	25536	Strand	-
Start	1	End	4310
Name	OJ990810_02.9B08.C9.o2.gp	Method	AAT/GAP
Start	1540	End	2163
GI	LIB3475-007-P1-K1-E6	Score	672
Exons	1540..1633, 1726..1953, 2064..2163		
GI Descrip.	'2580499 2.0e-35 (U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]'		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25536	Strand	-
Start	1	End	4310
Name	OJ990810_02.9B08.C9.o3.gp	Method	AAT/GAP
Start	3506	End	4310
GI	uC-osf1cyp125f08b1	Score	906
Exons	3506..3534, 3657..3733, 3834..3892, 3973..4310		
GI Descrip.	'2580499 2.0e-21 (U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]'		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25537	Strand	-
Start	6408	End	8236
Name	OJ990810_02.9B08.C9.o2.np	Method	AAT/NAP
Start	6408	End	8236
GI	4887759	Score	992
Exons	6408..6550, 6670..7186, 7217..8236		
GI Descrip.	(AC006533) putative ARI-like RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25538	Strand	-
Start	8318	End	11070
Name	OJ990810_02.9B08.C9.o3.np	Method	AAT/NAP
Start	8318	End	11019
GI	6850317	Score	754
Exons	8318..8404, 9373..9531, 9613..10076, 10185..11019		
GI Descrip.	(AC009999) Contains similarity to Ariadne-2 protein from Drosophila melanogaster gb|AJ010169 and contains an IBR PF|01485 and a zf-C3HC4 (RING finger) PF|00097 domain. ESTs gb|AA585849, gb|T42014 come from this gen...		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25538	Strand	-
Start	8318	End	11070
Name	OJ990810_02.9B08.C9.o2.gs	Method	GENSCAN
Start	9295	End	11070
GI	none	Score	.85
Exons	9295..9942, 9963..10443, 10481..11070		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25539	Strand	-
Start	11638	End	14887
Name	OJ990810_02.9B08.C9.o3.gs	Method	GENSCAN
Start	11638	End	14887
GI	none	Score	.71
Exons	11638..12261, 12369..12987, 13473..13523, 14709..14887		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25539	Strand	-
Start	11638	End	14887
Name	OJ990810_02.9B08.C9.o4.gp	Method	AAT/GAP
Start	13665	End	13763
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	13665..13763		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25540	Strand	-
Start	16732	End	19014
Name	OJ990810_02.9B08.C9.o5.np	Method	AAT/NAP
Start	15614	End	19011
GI	4680182	Score	621
Exons	15614..15662, 16866..17124, 17221..18125, 18216..19011		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25540	Strand	-
Start	16732	End	19014
Name	OJ990810_02.9B08.C9.o4.gs	Method	GENSCAN
Start	16732	End	19014
GI	none	Score	.98
Exons	16732..19014		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o1.tc	Method	TBLASTX:Cress
Start	1	End	4070
GI	none	Score	77
Exons	1..78, 3..74, 148..174, 150..305, 165..305, 229..309, 1156..1266, 1157..1246, 1336..1479, 1362..1478, 1548..1622, 1550..1636, 1726..1800, 1726..1785, 1836..1952, 1840..1959, 2058..2165, 2063..2164, 2086..2166, 2228..2389, 2232..2348, 2327..2365, 2369..2434, 2369..2443, 2573..2659, 2586..2651, 3300..3383, 3304..3348, 3475..3531, 3477..3533, 3656..3700, 3974..4048, 3975..4070		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2658
GI	none	Score	108
Exons	1..78, 3..74, 148..174, 150..305, 156..305, 229..309, 1150..1254, 1156..1251, 1157..1255, 1330..1479, 1330..1476, 1347..1484, 1362..1478, 1488..1622, 1546..1614, 1549..1659, 1550..1636, 1718..1768, 1726..1785, 1738..1785, 1786..1833, 1836..1952, 1839..1952, 1841..1954, 2057..2155, 2058..2165, 2063..2164, 2228..2389, 2369..2431, 2581..2658, 2586..2651		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-

Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1255
GI	none	Score	117
Exons	1..78, 3..74, 150..305, 150..305, 172..321, 229..330, 1150..1251, 1156..1251, 1157..1255		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o2.tm	Method	TBLASTX:Maize
Start	1	End	4079
GI	none	Score	87
Exons	1..78, 3..74, 148..174, 150..305, 156..305, 229..318, 1156..1254, 1157..1252, 1157..1267, 1158..1253, 1330..1476, 1333..1479, 1350..1526, 1362..1478, 1548..1622, 1550..1636, 1711..1812, 1726..1788, 1839..1952, 1843..1953, 1887..1952, 2058..2165, 2066..2164, 2191..2271, 2208..2348, 2228..2431, 2315..2443, 2326..2442, 2579..2656, 2581..2658, 2586..2651, 3174..3224, 3300..3368, 3300..3389, 3301..3387, 3474..3533, 3477..3533, 3478..3546, 3654..3740, 3834..3899, 3974..4048, 3975..4079		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o4.ts	Method	TBLASTX:Soybean
Start	3174	End	3734
GI	none	Score	51
Exons	3174..3224, 3175..3219, 3300..3383, 3304..3381, 3477..3533, 3478..3531, 3654..3734		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o1.tm	Method	TBLASTX:Maize
Start	6671	End	10594
GI	none	Score	74
Exons	6671..6781, 6681..6761, 6803..6922, 6855..6923, 6932..7186, 6933..7037, 7248..7367, 7250..7504, 7260..7469, 7553..7810, 7554..7628, 7698..7835, 9406..9495, 9637..9711, 9736..9849, 9924..10049, 10050..10313, 10084..10284, 10341..10526, 10357..10437, 10504..10521, 10528..10593, 10529..10594		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o2.ts	Method	TBLASTX:Soybean
Start	6848	End	10454
GI	none	Score	202
Exons	6848..6931, 6935..7186, 7250..7504, 7251..7505, 7493..7648, 7566..7619, 9637..9711, 9736..9855, 9743..9856, 9924..10049, 10050..10313, 10084..10290, 10329..10454, 10369..10446		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502

Name	OJ990810_02.9B08.C9.o2.tc	Method	TBLASTX:Cress
Start	6965	End	10139
GI	none	Score	63
Exons	6965..7186, 7250..7339, 7260..7340, 9924..10049, 10050..10139		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o3.tc	Method	TBLASTX:Cress
Start	7472	End	10526
GI	none	Score	180
Exons	7472..7504, 7553..7750, 10272..10331, 10338..10526		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o3.ts	Method	TBLASTX:Soybean
Start	7664	End	10869
GI	none	Score	103
Exons	7664..7864, 7922..8125, 10467..10526, 10537..10647, 10696..10869		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o3.tm	Method	TBLASTX:Maize
Start	18802	End	19011
GI	none	Score	113
Exons	18802..19011, 18803..19000		

Seq. No.	12068	Seq. ID	OJ990810_02.9B08.C9
Gene No.	25541	Strand	-
Start	24350	End	24502
Name	OJ990810_02.9B08.C9.o6.gs	Method	GENSCAN
Start	24350	End	24502
GI	none	Score	.87
Exons	24350..24502		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25542	Strand	+
Start	1047	End	5084
Name	OJ990810_02.9B08.C10.o1.gp	Method	AAT/GAP
Start	1047	End	3152
GI	uC-osrocyp010f10b1	Score	996
Exons	1047..1152, 1955..2223, 2996..3152		
GI Descrip.	'102506/pir||S15786 1.0e-18 glucose transport protein homolog - Caenorhabditis elegans'		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25542	Strand	+
Start	1047	End	5084
Name	OJ990810_02.9B08.C10.o1.np	Method	AAT/NAP
Start	1972	End	4886
GI	3901268	Score	521
Exons	1972..2223, 2996..3233, 3657..3889, 3986..4120, 4213..4481, 4594..4886		
GI Descrip.	(AF060173) SV2 related protein [Rattus norvegicus]		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25542	Strand	+
Start	1047	End	5084
Name	OJ990810_02.9B08.C10.o2.gs	Method	GENSCAN
Start	3809	End	4818
GI	none	Score	.88
Exons	3809..4193, 4279..4481, 4594..4818		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25542	Strand	+
Start	1047	End	5084
Name	OJ990810_02.9B08.C10.o2.gp	Method	AAT/GAP
Start	4316	End	5084
GI	50426_1.R1084	Score	1221
Exons	4316..4481, 4594..5084		
GI Descrip.	'3901268 6.0e-14 (AF060173) SV2 related protein [Rattus norvegicus]'		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25542	Strand	+
Start	1047	End	5084
Name	OJ990810_02.9B08.C10.o2.np	Method	AAT/NAP
Start	4565	End	4821
GI	3097809	Score	67
Exons	4565..4821		
GI Descrip.	(L49465) hypothetical metabolite transport protein [Pseudomonas fluorescens]		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25543	Strand	+
Start	5581	End	8059
Name	OJ990810_02.9B08.C10.o3.gp	Method	AAT/GAP
Start	5471	End	6187
GI	uC-osf1M202095b01b1	Score	738
Exons	5471..5680, 5810..5948, 6110..6187		
GI Descrip.	'3152588 2.0e-19 (AC002986) Contains similarity to Cf-2.2 gene gb_U42445 from Solanum pimpinellifolium. [Arabidopsis thaliana]'		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25543	Strand	+
Start	5581	End	8059
Name	OJ990810_02.9B08.C10.o3.gs	Method	GENSCAN
Start	5581	End	6493
GI	none	Score	.82
Exons	5581..5680, 5810..5893, 6105..6181, 6255..6325, 6439..6493		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25543	Strand	+
Start	5581	End	8059
Name	OJ990810_02.9B08.C10.o3.np	Method	AAT/NAP
Start	5797	End	8059
GI	3360289	Score	354
Exons	5797..5948, 6110..6181, 6260..6322, 6433..6509, 6634..6705, 6882..6955, 7047..7110, 7399..7464, 7541..7815, 7989..8059		
GI Descrip.	(AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25543	Strand	+
Start	5581	End	8059
Name	OJ990810_02.9B08.C10.o4.gs	Method	GENSCAN
Start	7584	End	8030
GI	none	Score	.82
Exons	7584..7758, 7971..8030		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25544	Strand	-
Start	196	End	3235
Name	OJ990810_02.9B08.C10.o1.gs	Method	GENSCAN
Start	196	End	3202
GI	none	Score	.65
Exons	196..349, 819..1006, 1144..1450, 3066..3202		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25544	Strand	-
Start	196	End	3235
Name	OJ990810_02.9B08.C10.o4.tm	Method	TBLASTX:Maize
Start	3012	End	3235
GI	none	Score	247
Exons	3012..3233, 3017..3229, 3024..3233, 3104..3235		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25545	Strand	
Start	3661	End	3900
Name	OJ990810_02.9B08.C10.o3.tm	Method	TBLASTX:Maize
Start	3661	End	3900
GI	none	Score	229
Exons	3661..3864, 3668..3898, 3707..3889, 3826..3900		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25546	Strand	
Start	3902	End	4445
Name	OJ990810_02.9B08.C10.o1.tm	Method	TBLASTX:Maize
Start	3902	End	4445
GI	none	Score	283
Exons	3902..4117, 3919..4116, 3929..4138, 4063..4137, 4114..4242, 4115..4192, 4277..4444, 4278..4445		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25547	Strand	
Start	4446	End	4803
Name	OJ990810_02.9B08.C10.o2.tm	Method	TBLASTX:Maize
Start	4446	End	4803
GI	none	Score	49
Exons	4446..4484, 4576..4803, 4591..4776, 4599..4802		

Seq. No.	12069	Seq. ID	OJ990810_02.9B08.C10
Gene No.	25548	Strand	
Start	5809	End	6180
Name	OJ990810_02.9B08.C10.o5.tm	Method	TBLASTX:Maize
Start	5809	End	6180
GI	none	Score	60
Exons	5809..5952, 5811..5891, 5812..5943, 5825..5947, 6088..6180, 6088..6180		

Seq. No.	12070	Seq. ID	OJ990810_02.9B08.C11
Gene No.	25549	Strand	+
Start	1	End	1779
Name	OJ990810_02.9B08.C11.o1.np	Method	AAT/NAP
Start	1	End	1779
GI	3360289	Score	665
Exons	1..39, 78..363, 464..583, 668..814, 946..1102, 1639..1779		
GI Descrip.	(AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		

Seq. No.	12070	Seq. ID	OJ990810_02.9B08.C11
Gene No.	25549	Strand	+
Start	1	End	1779
Name	OJ990810_02.9B08.C11.o1.gs	Method	GENSCAN
Start	83	End	1773
GI	none	Score	.57
Exons	83..363, 464..583, 946..1102, 1639..1773		

Seq. No.	12070	Seq. ID	OJ990810_02.9B08.C11
Gene No.	25549	Strand	+
Start	1	End	1779
Name	OJ990810_02.9B08.C11.o2.tm	Method	TBLASTX:Maize
Start	94	End	253
GI	none	Score	157
Exons	94..252, 101..253, 101..253		

Seq. No.	12070	Seq. ID	OJ990810_02.9B08.C11
Gene No.	25549	Strand	+
Start	1	End	1779
Name	OJ990810_02.9B08.C11.o1.ts	Method	TBLASTX:Soybean
Start	125	End	1718
GI	none	Score	206
Exons	125..364, 148..366, 447..560, 464..568, 701..814, 702..812, 944..1102, 961..1101, 1633..1704, 1641..1718		

Seq. No.	12070	Seq. ID	OJ990810_02.9B08.C11
Gene No.	25549	Strand	+
Start	1	End	1779
Name	OJ990810_02.9B08.C11.o1.tc	Method	TBLASTX:Cress
Start	146	End	563
GI	none	Score	166
Exons	146..364, 456..563		

Seq. No.	12070	Seq. ID	OJ990810_02.9B08.C11
Gene No.	25549	Strand	+
Start	1	End	1779
Name	OJ990810_02.9B08.C11.o1.tm	Method	TBLASTX:Maize
Start	254	End	1775
GI	none	Score	166
Exons	254..364, 254..361, 256..366, 256..366, 258..392, 434..553, 456..560, 464..568, 465..569, 675..812, 677..814, 939..1034, 943..1098, 944..1102, 1633..1773, 1641..1775		

Seq. No.	12070	Seq. ID	OJ990810_02.9B08.C11
Gene No.	25549	Strand	+
Start	1	End	1779

Name	OJ990810_02.9B08.C11.o2.tc	Method	TBLASTX:Cress
Start	937	End	1746
GI	none	Score	195
Exons	937..1098, 938..1102, 1633..1746, 1641..1730		

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25550	Strand	+
Start	4980	End	8449
Name	OJ990810_02.9B08.C14.o2.gs	Method	GENSCAN
Start	4980	End	8434
GI	none	Score	.63
Exons	4980..5096, 5576..5639, 6210..6318, 6419..6569, 7255..7380, 7465..7588, 7671..7747, 7749..7882, 8380..8434		

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25550	Strand	+
Start	4980	End	8449
Name	OJ990810_02.9B08.C14.o2.np	Method	AAT/NAP
Start	4980	End	8449
GI	4559345	Score	893
Exons	4980..5096, 5576..5639, 6210..6318, 6419..6569, 7252..7380, 7465..7588, 7671..7747, 7830..7882, 8380..8449		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25550	Strand	+
Start	4980	End	8449
Name	OJ990810_02.9B08.C14.o2.gp	Method	AAT/GAP
Start	7326	End	8449
GI	12464_1.R1084	Score	587
Exons	7326..7380, 7465..7588, 7671..7747, 7830..7882, 8380..8449		
GI Descrip.	'3482967/emb|CAA20523.1| 2.0e-36 (AL031369) Protein phosphatase 2C-like protein [Arabidopsis thaliana] >gi_4559345_gb_AAD23006.1_AC006585_1 (AC006585) protein phosphatase 2C [Arabidopsis thaliana]'		

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25551	Strand	-
Start	1	End	1204
Name	OJ990810_02.9B08.C14.o1.gp	Method	AAT/GAP
Start	1	End	1204
GI	22663_1.R1084	Score	608
Exons	1..92, 968..1204		
GI Descrip.	'5725430/emb|CAB52439.1| 7.0e-11 (AL109787) stress responsive protein homolog [Arabidopsis thaliana]'		

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25551	Strand	-
Start	1	End	1204
Name	OJ990810_02.9B08.C14.o1.np	Method	AAT/NAP
Start	12	End	1050
GI	3023377	Score	146
Exons	12..92, 970..1050		
GI Descrip.	LOW-TEMPERATURE INDUCED PROTEIN BLT101 (SALT-STRESS INDUCED HYDROPHOBIC PEPTIDE ESI3) gi|629776|pir||S40406 blt101 protein - barley gi|439273|emb|CAA80984| (Z25537) 54 amino acids [Hordeum		

vulgare] gi|551068|gb|AAA21847.1| (U00966) salt-stress induced hydrophobic peptide [Elytrigia elongata]

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25552	Strand	
Start	4973	End	8434
Name	OJ990810_02.9B08.C14.o1.tm	Method	TBLASTX:Maize
Start	4973	End	8434
GI	none	Score	165
Exons	4973..5095, 4974..5096, 5576..5644, 6208..6327, 6209..6319, 6413..6523, 6414..6569, 7246..7374, 7252..7380, 7254..7376, 7462..7575, 7465..7590, 7473..7589, 7669..7761, 7670..7765, 7830..7883, 7853..7879, 8381..8434		

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25552	Strand	
Start	4973	End	8434
Name	OJ990810_02.9B08.C14.o2.ts	Method	TBLASTX:Soybean
Start	4979	End	8434
GI	none	Score	165
Exons	4979..5095, 4980..5096, 5576..5644, 5587..5643, 5596..5676, 6208..6327, 6209..6319, 6413..6523, 6417..6569, 8381..8434		

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25552	Strand	
Start	4973	End	8434
Name	OJ990810_02.9B08.C14.o1.tc	Method	TBLASTX:Cress
Start	6495	End	7595
GI	none	Score	78
Exons	6495..6569, 7246..7380, 7254..7373, 7462..7578, 7464..7595, 7465..7590		

Seq. No.	12071	Seq. ID	OJ990810_02.9B08.C14
Gene No.	25552	Strand	
Start	4973	End	8434
Name	OJ990810_02.9B08.C14.o1.ts	Method	TBLASTX:Soybean
Start	7252	End	7886
GI	none	Score	185
Exons	7252..7380, 7254..7376, 7465..7590, 7470..7589, 7669..7761, 7670..7762, 7830..7883, 7830..7886		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25553	Strand	+
Start	1	End	278
Name	OJ990810_02.9B08.C15.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	12464_2.R1084	Score	369
Exons	1..278		
GI Descrip.	'5730046/ref|NM_006632.1|SLC17A3| 6.0e-10 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA >gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25554	Strand	+
Start	1553	End	2059
Name	OJ990810_02.9B08.C15.o2.gp	Method	AAT/GAP

Start	1553	End	2059
GI	24200_1.R1084	Score	975
Exons	1553..2059		
GI Descrip.	'4115377 1.0e-14 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25555	Strand	-
Start	411	End	1022
Name	OJ990810_02.9B08.C15.o1.gs	Method	GENSCAN
Start	411	End	1007
GI	none	Score	.58
Exons	411..742, 750..806, 848..1007		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25555	Strand	-
Start	411	End	1022
Name	OJ990810_02.9B08.C15.o1.np	Method	AAT/NAP
Start	530	End	1022
GI	2129631	Score	173
Exons	530..756, 848..1022		
GI Descrip.	lamin - Arabidopsis thaliana gi|1262752|emb|CAA65844| (X97206) lamin [Arabidopsis thaliana]		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o2.ts	Method	TBLASTX:Soybean
Start	617	End	1128
GI	none	Score	150
Exons	617..757, 636..755, 847..948, 849..944, 1030..1128		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o2.tm	Method	TBLASTX:Maize
Start	648	End	1070
GI	none	Score	140
Exons	648..749, 650..751, 653..757, 847..990, 849..944, 1014..1070		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o1.tm	Method	TBLASTX:Maize
Start	1747	End	3258
GI	none	Score	67
Exons	1747..1827, 1755..1826, 1912..2865, 1912..2202, 2126..2209, 2133..2474, 2252..3070, 2254..3069, 2276..3076, 2911..3075, 3186..3245, 3187..3258, 3200..3256		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o1.tc	Method	TBLASTX:Cress
Start	1888	End	2530
GI	none	Score	98
Exons	1888..2064, 1906..2202, 1910..2203, 2121..2396, 2252..2530,		

2254..2529

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o1.ts	Method	TBLASTX:Soybean
Start	1904	End	3256
GI	none	Score	217
Exons	1904..2209, 1909..2202, 2113..2862, 2121..2477, 2254..3069, 2261..3070, 2914..3075, 3000..3071, 3187..3237, 3200..3256		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o2.gs	Method	GENSCAN
Start	1912	End	3238
GI	none	Score	.77
Exons	1912..3069, 3188..3238		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o2.np	Method	AAT/NAP
Start	1915	End	3516
GI	4115377	Score	1854
Exons	1915..3069, 3188..3516		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o3.gp	Method	AAT/GAP
Start	2043	End	2802
GI	26400_1.R1084	Score	1440
Exons	2043..2802		
GI Descrip.	'4115377 1.0e-84 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o1.tw	Method	TBLASTX:Wheat
Start	2506	End	2838
GI	none	Score	104
Exons	2506..2616, 2620..2838, 2627..2830		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o2.tc	Method	TBLASTX:Cress
Start	2530	End	2863
GI	none	Score	323
Exons	2530..2862, 2531..2860, 2531..2863, 2533..2862		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-

Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o3.tc	Method	TBLASTX:Cress
Start	2873	End	3256
GI	none	Score	164
Exons	2873..2995, 2896..3069, 2902..3075, 2937..3080, 3200..3256		

Seq. No.	12072	Seq. ID	OJ990810_02.9B08.C15
Gene No.	25556	Strand	-
Start	1912	End	3516
Name	OJ990810_02.9B08.C15.o4.gp	Method	AAT/GAP
Start	2906	End	3261
GI	uC-osrocyp004g06b1	Score	418
Exons	2906..3069, 3188..3261		
GI Descrip.	'4115377 1.0e-70 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12073	Seq. ID	OJ990810_02.9B08.C17
Gene No.	25557	Strand	+
Start	415	End	1460
Name	OJ990810_02.9B08.C17.o1.np	Method	AAT/NAP
Start	415	End	1450
GI	283032	Score	587
Exons	415..1450		
GI Descrip.	hydroxyproline-rich glycoprotein - perennial teosinte gi|22092|emb|CAA45514| (X64173) hydroxyproline-rich glycoprotein [Zea diploperennis]		

Seq. No.	12073	Seq. ID	OJ990810_02.9B08.C17
Gene No.	25557	Strand	+
Start	415	End	1460
Name	OJ990810_02.9B08.C17.o1.tc	Method	TBLASTX:Cress
Start	671	End	1456
GI	none	Score	38
Exons	671..727, 671..724, 671..802, 674..793, 674..820, 674..730, 674..775, 674..751, 680..745, 698..766, 701..775, 716..754, 716..814, 719..814, 722..847, 737..775, 737..847, 740..802, 743..835, 743..853, 749..847, 749..814, 752..850, 773..889, 782..802, 791..847, 791..898, 821..937, 830..931, 830..847, 833..868, 833..928, 836..898, 839..868, 845..922, 860..979, 866..943, 881..919, 887..1012, 887..943, 887..1054, 896..964, 908..967, 914..1033, 914..943, 914..991, 914..1015, 914..943, 917..991, 917..967, 917..985, 917..1015, 917..1048, 927..995, 929..1054, 935..1012, 962..1033, 962..991, 962..1033, 962..1036, 962..991, 962..1033, 962..1033, 965..1033, 965..1069, 965..1012, 974..1027, 977..1012, 980..1111, 983..1078, 983..1033, 983..1123, 989..1171, 1031..1138, 1034..1144, 1043..1165, 1043..1150, 1067..1123, 1067..1144, 1074..1172, 1085..1192, 1094..1243, 1097..1219, 1097..1147, 1106..1126, 1121..1243, 1136..1270, 1136..1243, 1145..1219, 1154..1243, 1163..1303, 1163..1255, 1184..1315, 1184..1243, 1184..1273, 1193..1261, 1202..1267, 1202..1261, 1205..1315, 1217..1309, 1229..1288, 1238..1315, 1238..1261, 1241..1315, 1268..1318, 1286..1324, 1301..1330, 1388..1456, 1388..1456, 1388..1420, 1388..1420, 1394..1456, 1397..1456		

Seq. No.	12073	Seq. ID	OJ990810_02.9B08.C17
Gene No.	25557	Strand	+

Start	415	End	1460
Name	OJ990810_02.9B08.C17.o1.gp	Method	AAT/GAP
Start	975	End	1460
GI	2798487	Score	615
Exons	975..1460		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25558	Strand	+
Start	1	End	411
Name	OJ990810_02.9B08.C18.o1.np	Method	AAT/NAP
Start	1	End	248
GI	4835761	Score	268
Exons	1..248		
GI Descrip.	(AC007202) T8K14.10 [Arabidopsis thaliana]		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25558	Strand	+
Start	1	End	411
Name	OJ990810_02.9B08.C18.o1.gs	Method	GENSCAN
Start	27	End	411
GI	none	Score	.88
Exons	27..210, 380..411		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25559	Strand	-
Start	773	End	3330
Name	OJ990810_02.9B08.C18.o1.gp	Method	AAT/GAP
Start	701	End	2173
GI	2248_1.R1084	Score	1148
Exons	701..1019, 1135..1245, 1702..1802, 1918..1986, 2110..2173		
GI Descrip.	'4982500/gb|AAD36960.1|AC000107_6 4.0e-27 (AC000107) F17F8.6 [Arabidopsis thaliana]'		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25559	Strand	-
Start	773	End	3330
Name	OJ990810_02.9B08.C18.o2.gs	Method	GENSCAN
Start	773	End	3314
GI	none	Score	.83
Exons	773..907, 951..1019, 1135..1245, 2110..2198, 2324..2500, 2946..3050, 3176..3314		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25559	Strand	-
Start	773	End	3330
Name	OJ990810_02.9B08.C18.o2.gp	Method	AAT/GAP
Start	2331	End	3330
GI	5670_1.R1084	Score	728
Exons	2331..2500, 2946..3092, 3176..3330		
GI Descrip.	'2660677 5.0e-28 (AC002342) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o4.tc	Method	TBLASTX:Cress
Start	6	End	212

GI	none	Score	211
Exons	6..212, 23..208		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o4.ts	Method	TBLASTX:Soybean
Start	6	End	212
GI	none	Score	208
Exons	6..212, 29..139, 167..211		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o7.tm	Method	TBLASTX:Maize
Start	6	End	212
GI	none	Score	229
Exons	6..212, 26..211		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o4.tw	Method	TBLASTX:Wheat
Start	45	End	212
GI	none	Score	187
Exons	45..212, 47..211		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o1.tm	Method	TBLASTX:Maize
Start	890	End	5599
GI	none	Score	108
Exons	890..1021, 897..1022, 897..1019, 898..1026, 1132..1206, 1133..1207, 1213..1263, 1214..1261, 1608..1667, 1699..1806, 1700..1819, 1921..1989, 1924..1986, 2102..2194, 2109..2201, 2110..2214, 2259..2318, 2272..2310, 2321..2395, 2325..2402, 2325..2414, 4019..4162, 4033..4158, 4306..4383, 4307..4384, 4390..4422, 4391..4420, 4902..5015, 4910..5017, 5137..5202, 5138..5203, 5139..5204, 5297..5389, 5299..5382, 5299..5403, 5303..5443, 5489..5590, 5505..5597, 5510..5599		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o6.ts	Method	TBLASTX:Soybean
Start	1177	End	5334
GI	none	Score	77
Exons	1177..1263, 1190..1261, 1699..1815, 1699..1806, 1700..1819, 1701..1808, 1924..1983, 1925..1984, 1926..2018, 2110..2145, 4351..4422, 4364..4420, 4902..5018, 4910..5017, 5139..5204, 5140..5199, 5278..5334		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o1.tw	Method	TBLASTX:Wheat

Start	1189	End	5611
GI	none	Score	72
Exons	1189..1263, 1196..1261, 1699..1806, 1700..1819, 1921..1989, 1924..1986, 2103..2225, 2105..2197, 2110..2214, 2111..2236, 2272..2310, 2323..2424, 2325..2426, 2326..2424, 4359..4421, 4360..4422, 4360..4422, 4902..5015, 4910..5017, 5137..5202, 5138..5209, 5139..5204, 5295..5390, 5297..5389, 5299..5451, 5300..5410, 5508..5609, 5510..5608, 5510..5611		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o1.tc	Method	TBLASTX:Cress
Start	1699	End	6411
GI	none	Score	64
Exons	1699..1740, 1723..1806, 1924..1986, 1925..2017, 2113..2214, 2114..2248, 2311..2502, 2320..2433, 2325..2507, 2974..3093, 2975..3094, 3174..3251, 4910..4951, 4934..5017, 5139..5177, 5140..5214, 5302..5403, 5303..5410, 5510..5680, 5510..5692, 5514..5687, 6062..6223, 6319..6411		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o2.ts	Method	TBLASTX:Soybean
Start	2158	End	6418
GI	none	Score	75
Exons	2158..2214, 2328..2432, 2329..2436, 2460..2501, 2974..3093, 2975..3094, 3001..3105, 3163..3234, 3174..3251, 5347..5403, 5514..5621, 5516..5629, 5636..5686, 6062..6223, 6078..6224, 6319..6417, 6320..6418		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o3.tm	Method	TBLASTX:Maize
Start	2415	End	6472
GI	none	Score	111
Exons	2415..2501, 2415..2501, 2416..2514, 2941..2994, 2974..3093, 2974..3093, 3160..3255, 3174..3254, 5600..5680, 5601..5687, 5601..5684, 6062..6229, 6063..6230, 6319..6411, 6320..6412, 6440..6472		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o3.gp	Method	AAT/GAP
Start	3870	End	4126
GI	2797815	Score	282
Exons	3870..4126		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o3.gs	Method	GENSCAN
Start	4027	End	13393
GI	none	Score	.63

Exons	4027..4155, 4309..4419, 4913..5015, 5137..5201, 5299..5448, 5525..5685, 6073..6222, 6397..6502, 7375..7740, 8110..8290, 8380..8450, 8540..8656, 8744..8818, 8932..8990, 9296..9443, 9759..9851, 10211..10490, 10651..10855, 11023..11129, 12781..12949, 13238..13393		
Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o2.np	Method	AAT/NAP
Start	4030	End	6414
GI	2660677	Score	773
Exons	4030..4125, 4275..4419, 4913..5015, 5137..5201, 5299..5387, 5509..5685, 6073..6222, 6321..6414		
GI Descrip.	(AC002342) unknown protein [Arabidopsis thaliana]		
Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o4.gp	Method	AAT/GAP
Start	5154	End	5709
GI	702208	Score	552
Exons	5154..5201, 5299..5387, 5509..5709		
GI Descrip.	2660677 5.0e-28 (AC002342) unknown protein [Arabidopsis thaliana]		
Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o5.gp	Method	AAT/GAP
Start	6051	End	6530
GI	84483_1.R1084	Score	667
Exons	6051..6222, 6321..6530		
GI Descrip.	'2660677 5.0e-22 (AC002342) unknown protein [Arabidopsis thaliana]'		
Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o3.np	Method	AAT/NAP
Start	7395	End	9383
GI	4585976	Score	784
Exons	7395..7740, 7988..8290, 8380..8450, 8540..8656, 8744..8818, 8932..8990, 9296..9383		
GI Descrip.	(AC005287) Unknown protein [Arabidopsis thaliana]		
Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o1.ts	Method	TBLASTX:Soybean
Start	7423	End	7740
GI	none	Score	238
Exons	7423..7740, 7451..7717, 7633..7725		
Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397

Name	OJ990810_02.9B08.C18.o3.tc	Method	TBLASTX:Cress
Start	7451	End	7861
GI	none	Score	207
Exons	7451..7717, 7453..7740, 7633..7728, 7661..7753, 7817..7861		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o4.tm	Method	TBLASTX:Maize
Start	7451	End	8063
GI	none	Score	213
Exons	7451..7717, 7453..7740, 7633..7725, 7980..8063, 7982..8062		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o2.tc	Method	TBLASTX:Cress
Start	7980	End	8459
GI	none	Score	88
Exons	7980..8063, 7982..8077, 8063..8116, 8113..8295, 8141..8296, 8376..8447, 8377..8451, 8379..8459		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o3.ts	Method	TBLASTX:Soybean
Start	8021	End	8653
GI	none	Score	40
Exons	8021..8077, 8022..8063, 8146..8166, 8147..8182, 8170..8313, 8171..8296, 8376..8438, 8377..8469, 8379..8456, 8537..8653		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o2.tm	Method	TBLASTX:Maize
Start	8065	End	8659
GI	none	Score	124
Exons	8065..8127, 8105..8212, 8113..8217, 8209..8295, 8210..8293, 8377..8457, 8379..8474, 8549..8656, 8576..8659		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o3.tw	Method	TBLASTX:Wheat
Start	8218	End	8985
GI	none	Score	55
Exons	8218..8295, 8219..8293, 8377..8457, 8379..8456, 8537..8656, 8538..8657, 8543..8659, 8915..8983, 8920..8985		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o6.gp	Method	AAT/GAP
Start	10070	End	11869
GI	18089_1.R1084	Score	1196
Exons	10070..10399, 10651..10855, 11023..11128, 11769..11869		
GI Descrip.	'141435/sp|P28823|FOLB_BACSU 3.0e-20 DIHYDRONEOPTERIN ALDOLASE		

(DHNA) >gi_98360_pir__E37854 folate biosynthesis protein 1 (sul 3'' region) - Bacillus subtilis >gi_143411 (M34053) ORF1 [Bacillus subtilis] >gi_467467_dbj_BAA05313_ (D26185) unknown [Bacillus subtilis] >gi_2632345_emb_CAB11854_ (Z99104) dihydroneopterin aldolase [Bacillus subtilis]'

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o2.tw	Method	TBLASTX:Wheat
Start	10199	End	10820
GI	none	Score	134
Exons	10199..10396, 10211..10408, 10212..10406, 10689..10799, 10689..10820, 10690..10803		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o4.np	Method	AAT/NAP
Start	10199	End	10883
GI	6671931	Score	272
Exons	10199..10423, 10674..10883		
GI Descrip.	(AC016795) putative dihydroneopterin aldolase [Arabidopsis thaliana]		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o6.tm	Method	TBLASTX:Maize
Start	10203	End	10820
GI	none	Score	175
Exons	10203..10397, 10214..10408, 10215..10406, 10687..10803, 10689..10820		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o5.ts	Method	TBLASTX:Soybean
Start	10208	End	10847
GI	none	Score	122
Exons	10208..10408, 10212..10400, 10689..10847, 10691..10792, 10699..10803		

Seq. No.	12074	Seq. ID	OJ990810_02.9B08.C18
Gene No.	25560	Strand	-
Start	4027	End	13397
Name	OJ990810_02.9B08.C18.o5.tm	Method	TBLASTX:Maize
Start	12768	End	13397
GI	none	Score	202
Exons	12768..12950, 12768..12953, 12769..12951, 12769..12960, 13176..13394, 13203..13397, 13240..13395		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o1.np	Method	AAT/NAP
Start	1	End	2165

GI	4572671	Score	1218
Exons	1..409, 619..730, 1048..1284, 1467..2165		
GI Descrip.	(AC006954) putative cyclic nucleotide-regulated ion channel protein [Arabidopsis thaliana]		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o1.tm	Method	TBLASTX:Maize
Start	81	End	1998
GI	none	Score	130
Exons	81..179, 102..170, 104..178, 106..180, 107..190, 174..260, 182..283, 183..287, 271..324, 274..408, 305..415, 306..407, 367..408, 608..730, 614..730, 628..735, 991..1287, 1045..1287, 1046..1288, 1047..1298, 1464..1997, 1466..1978, 1834..1998		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o1.tc	Method	TBLASTX:Cress
Start	84	End	1967
GI	none	Score	85
Exons	84..170, 302..346, 351..407, 614..730, 617..730, 1012..1287, 1018..1197, 1461..1967, 1461..1718, 1466..1963		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o1.gs	Method	GENSCAN
Start	105	End	2174
GI	none	Score	.84
Exons	105..409, 619..730, 1048..1284, 1467..2174		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o1.gp	Method	AAT/GAP
Start	368	End	1767
GI	15818_1.R1084	Score	1308
Exons	368..409, 619..730, 1048..1284, 1467..1767		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 2.0e-82 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o1.ts	Method	TBLASTX:Soybean
Start	1043	End	1989
GI	none	Score	139
Exons	1043..1276, 1044..1277, 1045..1287, 1045..1284, 1460..1963, 1464..1967, 1768..1989		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o1.tw	Method	TBLASTX:Wheat
Start	1135	End	1664

GI	none	Score	155
Exons	1135..1287, 1176..1286, 1464..1664, 1466..1651		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o2.gp	Method	AAT/GAP
Start	1885	End	2285
GI	18479_1.R1084	Score	787
Exons	1885..2285		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 1.0e-11 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'		

Seq. No.	12075	Seq. ID	OJ990810_02.9B08.C19
Gene No.	25561	Strand	+
Start	1	End	2285
Name	OJ990810_02.9B08.C19.o2.tm	Method	TBLASTX:Maize
Start	2004	End	2190
GI	none	Score	43
Exons	2004..2030, 2006..2029, 2033..2134, 2034..2174, 2043..2174, 2068..2190		

Seq. No.	12076	Seq. ID	OJ990810_02.9B08.C20
Gene No.	25562	Strand	+
Start	1	End	1165
Name	OJ990810_02.9B08.C20.o1.np	Method	AAT/NAP
Start	1	End	1165
GI	4680186	Score	222
Exons	1..228, 961..1165		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12076	Seq. ID	OJ990810_02.9B08.C20
Gene No.	25563	Strand	+
Start	1136	End	1679
Name	OJ990810_02.9B08.C20.o1.gs	Method	GENSCAN
Start	1136	End	1679
GI	none	Score	.55
Exons	1136..1193, 1552..1679		

Seq. No.	12076	Seq. ID	OJ990810_02.9B08.C20
Gene No.	25564	Strand	+
Start	4815	End	7166
Name	OJ990810_02.9B08.C20.o3.gs	Method	GENSCAN
Start	4815	End	7166
GI	none	Score	.9
Exons	4815..6057, 6701..6799, 6907..7166		

Seq. No.	12076	Seq. ID	OJ990810_02.9B08.C20
Gene No.	25565	Strand	-
Start	710	End	1094
Name	OJ990810_02.9B08.C20.o1.gp	Method	AAT/GAP
Start	710	End	1094
GI	uC-osflcyp033a04b1	Score	682
Exons	710..1094		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12076	Seq. ID	OJ990810_02.9B08.C20
Gene No.	25566	Strand	-
Start	1551	End	4325
Name	OJ990810_02.9B08.C20.o2.np	Method	AAT/NAP
Start	1551	End	3476
GI	6907087	Score	1509
Exons	1551..1652, 2192..2885, 3094..3476		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12076	Seq. ID	OJ990810_02.9B08.C20
Gene No.	25566	Strand	-
Start	1551	End	4325
Name	OJ990810_02.9B08.C20.o2.gs	Method	GENSCAN
Start	1969	End	4325
GI	none	Score	.47
Exons	1969..2186, 2192..2810, 2857..3078, 4215..4325		

Seq. No.	12076	Seq. ID	OJ990810_02.9B08.C20
Gene No.	25567	Strand	-
Start	10742	End	10984
Name	OJ990810_02.9B08.C20.o4.gs	Method	GENSCAN
Start	10742	End	10984
GI	none	Score	1
Exons	10742..10984		

Seq. No.	12077	Seq. ID	OJ990810_02.9B08.C22
Gene No.	25568	Strand	
Start	314	End	624
Name	OJ990810_02.9B08.C22.o1.tm	Method	TBLASTX:Maize
Start	314	End	624
GI	none	Score	68
Exons	314..361, 315..362, 406..570, 416..547, 550..624, 550..612		

Seq. No.	12078	Seq. ID	OJ990920_07.9B10.C2
Gene No.	25569	Strand	+
Start	36	End	1574
Name	OJ990920_07.9B10.C2.o1.np	Method	AAT/NAP
Start	36	End	1574
GI	6721561	Score	76
Exons	36..122, 1544..1574		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12079	Seq. ID	OJ990920_07.9B10.C3
Gene No.	25570	Strand	+
Start	1	End	727
Name	OJ990920_07.9B10.C3.o1.np	Method	AAT/NAP
Start	1	End	727
GI	629693	Score	112
Exons	1..251, 702..727		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	12079	Seq. ID	OJ990920_07.9B10.C3
Gene No.	25571	Strand	-
Start	1	End	727
Name	OJ990920_07.9B10.C3.o2.np	Method	AAT/NAP
Start	1	End	727
GI	6815097	Score	140
Exons	1..26, 445..727		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	12080	Seq. ID	OJ990920_07.9B10.C4
Gene No.	25572	Strand	+
Start	37	End	146
Name	OJ990920_07.9B10.C4.o1.gs	Method	GENSCAN
Start	37	End	146
GI	none	Score	.97
Exons	37..146		

Seq. No.	12080	Seq. ID	OJ990920_07.9B10.C4
Gene No.	25573	Strand	-
Start	1	End	364
Name	OJ990920_07.9B10.C4.o1.np	Method	AAT/NAP
Start	1	End	364
GI	6815097	Score	311
Exons	1..364		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	12081	Seq. ID	OJ990920_07.9B10.C5
Gene No.	25574	Strand	-
Start	476	End	685
Name	OJ990920_07.9B10.C5.o1.gs	Method	GENSCAN
Start	476	End	685
GI	none	Score	.8
Exons	476..685		

Seq. No.	12082	Seq. ID	OJ990920_07.9B10.C6
Gene No.	25575	Strand	
Start	941	End	1503
Name	OJ990920_07.9B10.C6.o1.tw	Method	TBLASTX:Wheat
Start	941	End	1309
GI	none	Score	71
Exons	941..1102, 941..1066, 1118..1309		

Seq. No.	12082	Seq. ID	OJ990920_07.9B10.C6
Gene No.	25575	Strand	
Start	941	End	1503
Name	OJ990920_07.9B10.C6.o1.tm	Method	TBLASTX:Maize
Start	1044	End	1503
GI	none	Score	71
Exons	1044..1076, 1133..1378, 1389..1502, 1396..1503		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25576	Strand	+
Start	5020	End	10919
Name	OJ990920_07.9B10.C8.o1.np	Method	AAT/NAP

Start	4962	End	10916
GI	4378066	Score	3083
Exons	4962..5286, 5897..10916		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25576	Strand	+
Start	5020	End	10919
Name	OJ990920_07.9B10.C8.o2.gs	Method	GENSCAN
Start	5020	End	6555
GI	none	Score	.84
Exons	5020..6555		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25576	Strand	+
Start	5020	End	10919
Name	OJ990920_07.9B10.C8.o3.gs	Method	GENSCAN
Start	6751	End	10919
GI	none	Score	.5
Exons	6751..6910, 6974..7842, 7896..8664, 8896..10129, 10210..10674, 10754..10919		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25577	Strand	+
Start	18483	End	22911
Name	OJ990920_07.9B10.C8.o2.np	Method	AAT/NAP
Start	18483	End	22911
GI	5902444	Score	663
Exons	18483..18513, 20914..20978, 21316..22569, 22842..22911		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25578	Strand	-
Start	11533	End	15075
Name	OJ990920_07.9B10.C8.o4.gs	Method	GENSCAN
Start	11533	End	15075
GI	none	Score	.75
Exons	11533..11576, 11881..11970, 12404..12857, 13265..13659, 13805..14149, 14238..15075		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o5.tw	Method	TBLASTX:Wheat
Start	6055	End	21809
GI	none	Score	189
Exons	6055..6432, 21399..21797, 21413..21451, 21524..21706, 21735..21809		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o6.tw	Method	TBLASTX:Wheat
Start	7225	End	22565
GI	none	Score	88

Exons	7225..7356, 7362..7583, 7363..7584, 22404..22565		
Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o2.tw	Method	TBLASTX:Wheat
Start	7857	End	8147
GI	none	Score	325
Exons	7857..8147, 7877..8146, 7941..8147		
Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o1.tm	Method	TBLASTX:Maize
Start	7922	End	8279
GI	none	Score	424
Exons	7922..8278, 7923..8279		
Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o1.tw	Method	TBLASTX:Wheat
Start	8148	End	8567
GI	none	Score	446
Exons	8148..8567, 8150..8317, 8351..8566		
Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o2.tm	Method	TBLASTX:Maize
Start	8307	End	8690
GI	none	Score	395
Exons	8307..8690, 8310..8579, 8417..8677		
Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o1.ts	Method	TBLASTX:Soybean
Start	8409	End	8792
GI	none	Score	264
Exons	8409..8792, 8462..8602		
Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o7.tw	Method	TBLASTX:Wheat
Start	8568	End	8783
GI	none	Score	198
Exons	8568..8783, 8573..8677		
Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o3.tw	Method	TBLASTX:Wheat
Start	9059	End	9491
GI	none	Score	320
Exons	9059..9490, 9060..9491		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o3.tm	Method	TBLASTX:Maize
Start	9693	End	10151
GI	none	Score	371
Exons	9693..10151, 9756..9968, 9818..10012, 9999..10106, 10058..10150		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o4.tw	Method	TBLASTX:Wheat
Start	9801	End	10190
GI	none	Score	267
Exons	9801..10190, 9845..10012, 10067..10108		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o2.ts	Method	TBLASTX:Soybean
Start	9963	End	10339
GI	none	Score	96
Exons	9963..10106, 9992..10105, 10113..10241, 10226..10339		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o5.tm	Method	TBLASTX:Maize
Start	10151	End	10324
GI	none	Score	129
Exons	10151..10243, 10152..10241, 10232..10324, 10243..10323		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o8.tw	Method	TBLASTX:Wheat
Start	10310	End	10588
GI	none	Score	106
Exons	10310..10429, 10457..10588		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o4.tm	Method	TBLASTX:Maize
Start	10355	End	10597
GI	none	Score	202
Exons	10355..10597		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o6.gs	Method	GENSCAN
Start	18325	End	19239
GI	none	Score	.93
Exons	18325..18812, 19203..19239		

Seq. No.	12083	Seq. ID	OJ990920_07.9B10.C8
Gene No.	25579	Strand	-
Start	18325	End	22565
Name	OJ990920_07.9B10.C8.o6.tm	Method	TBLASTX:Maize
Start	18430	End	18753
GI	none	Score	60
Exons	18430..18468, 18502..18651, 18694..18753		

Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25580	Strand	+
Start	553	End	2663
Name	OJ990920_07.9B10.C9.o1.gs	Method	GENSCAN
Start	553	End	2663
GI	none	Score	.85
Exons	553..618, 996..2399, 2508..2663		

Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25581	Strand	+
Start	3966	End	12317
Name	OJ990920_07.9B10.C9.o2.gs	Method	GENSCAN
Start	3966	End	8385
GI	none	Score	.44
Exons	3966..4081, 5393..5998, 6850..6982, 7960..8385		

Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25581	Strand	+
Start	3966	End	12317
Name	OJ990920_07.9B10.C9.o3.np	Method	AAT/NAP
Start	8200	End	12317
GI	5902445	Score	1841
Exons	8200..8304, 8436..10082, 10122..10188, 11609..12038, 12290..12317		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25581	Strand	+
Start	3966	End	12317
Name	OJ990920_07.9B10.C9.o3.gs	Method	GENSCAN
Start	8520	End	10136
GI	none	Score	.61
Exons	8520..8917, 8959..9460, 9466..9646, 9730..10136		

Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25582	Strand	-
Start	520	End	7161
Name	OJ990920_07.9B10.C9.o2.np	Method	AAT/NAP
Start	520	End	7161
GI	5852180	Score	669
Exons	520..595, 4692..4732, 5440..5852, 5904..6020, 7100..7161		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o4.tw	Method	TBLASTX:Wheat
Start	7966	End	8196
GI	none	Score	265

Exons	7966..8196, 7978..8187		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o1.tw	Method	TBLASTX:Wheat
Start	8395	End	8732
GI	none	Score	46
Exons	8395..8436, 8438..8731, 8439..8732		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o1.tm	Method	TBLASTX:Maize
Start	8442	End	8762
GI	none	Score	381
Exons	8442..8762, 8460..8711, 8468..8761		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o1.ts	Method	TBLASTX:Soybean
Start	8836	End	9271
GI	none	Score	278
Exons	8836..9030, 8849..9271		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o2.tw	Method	TBLASTX:Wheat
Start	8844	End	9216
GI	none	Score	150
Exons	8844..9119, 8845..9183, 8848..9216, 8849..9214		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o3.tm	Method	TBLASTX:Maize
Start	8938	End	9366
GI	none	Score	216
Exons	8938..9171, 8939..9187, 9212..9286, 9214..9282, 9291..9329, 9337..9366, 9338..9364		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o6.tw	Method	TBLASTX:Wheat
Start	9221	End	9463
GI	none	Score	65
Exons	9221..9289, 9293..9463		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o5.tw	Method	TBLASTX:Wheat
Start	9465	End	9872
GI	none	Score	124

Exons	9465..9569, 9466..9570, 9604..9705, 9717..9872		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o2.tm	Method	TBLASTX:Maize
Start	11659	End	11967
GI	none	Score	346
Exons	11659..11967, 11700..11966		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o3.tw	Method	TBLASTX:Wheat
Start	11662	End	12036
GI	none	Score	350
Exons	11662..12036, 11670..12035		
Seq. No.	12084	Seq. ID	OJ990920_07.9B10.C9
Gene No.	25583	Strand	-
Start	11665	End	12036
Name	OJ990920_07.9B10.C9.o4.gs	Method	GENSCAN
Start	11665	End	11997
GI	none	Score	.64
Exons	11665..11753, 11928..11997		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25584	Strand	+
Start	4465	End	14989
Name	OJ990920_07.9B10.C10.o2.np	Method	AAT/NAP
Start	4465	End	14726
GI	5852180	Score	521
Exons	4465..4485, 8035..8088, 9070..9190, 9242..9688, 14407..14726		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25584	Strand	+
Start	4465	End	14989
Name	OJ990920_07.9B10.C10.o3.np	Method	AAT/NAP
Start	7010	End	11103
GI	5902445	Score	652
Exons	7010..7032, 10379..11103		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25584	Strand	+
Start	4465	End	14989
Name	OJ990920_07.9B10.C10.o3.gs	Method	GENSCAN
Start	8744	End	11062
GI	none	Score	.64
Exons	8744..8911, 9403..9688, 10407..11062		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25584	Strand	+
Start	4465	End	14989
Name	OJ990920_07.9B10.C10.o5.gs	Method	GENSCAN
Start	13652	End	14989

GI	none	Score	.81
Exons	13652..13741, 14189..14299, 14496..14566, 14604..14807, 14839..14989		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25585	Strand	+
Start	17976	End	20744
Name	OJ990920_07.9B10.C10.o6.gs	Method	GENSCAN
Start	17976	End	20278
GI	none	Score	.78
Exons	17976..18125, 18691..18855, 19244..20278		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25585	Strand	+
Start	17976	End	20744
Name	OJ990920_07.9B10.C10.o8.np	Method	AAT/NAP
Start	19316	End	20744
GI	6815097	Score	776
Exons	19316..20191, 20563..20744		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25586	Strand	-
Start	314	End	5996
Name	OJ990920_07.9B10.C10.o1.gs	Method	GENSCAN
Start	314	End	5993
GI	none	Score	.63
Exons	314..1195, 1237..3452, 3639..3789, 3822..3912, 3998..4102, 4195..4433, 4673..4832, 5083..5993		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25586	Strand	-
Start	314	End	5996
Name	OJ990920_07.9B10.C10.o1.np	Method	AAT/NAP
Start	317	End	5996
GI	4680179	Score	5297
Exons	317..3717, 3751..3921, 5083..5996		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25587	Strand	-
Start	6247	End	8031
Name	OJ990920_07.9B10.C10.o2.gs	Method	GENSCAN
Start	6247	End	8031
GI	none	Score	.86
Exons	6247..7050, 7966..8031		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25588	Strand	-
Start	7939	End	8320
Name	OJ990920_07.9B10.C10.o1.gp	Method	AAT/GAP
Start	7939	End	8320
GI	uC-osflcyp033a04b1	Score	667
Exons	7939..8320		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o7.tm	Method	TBLASTX:Maize
Start	309	End	538
GI	none	Score	37
Exons	309..338, 341..538, 432..527		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o3.tw	Method	TBLASTX:Wheat
Start	362	End	784
GI	none	Score	186
Exons	362..784, 426..749, 566..751		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o1.tm	Method	TBLASTX:Maize
Start	542	End	4986
GI	none	Score	215
Exons	542..982, 558..980, 980..1087, 987..1058, 1040..1135, 1079..1132, 1090..1140, 4658..4828, 4668..4826, 4826..4933, 4833..4904, 4936..4983, 4936..4986		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o6.tw	Method	TBLASTX:Wheat
Start	788	End	5103
GI	none	Score	186
Exons	788..1087, 792..1058, 931..1071, 980..1090, 1156..1320, 4658..4933, 4662..4904, 4777..4917, 4826..4936, 5002..5103		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o5.tw	Method	TBLASTX:Wheat
Start	1090	End	11094
GI	none	Score	364
Exons	1090..1155, 4936..5001, 10487..10939, 10501..10590, 10636..10743, 10969..11094, 10971..11093		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o4.tm	Method	TBLASTX:Maize
Start	1189	End	5103
GI	none	Score	199
Exons	1189..1479, 1193..1480, 5035..5103		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o2.ts	Method	TBLASTX:Soybean

Start	1279	End	1539
GI	none	Score	143
Exons	1279..1539, 1280..1534		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o2.tc	Method	TBLASTX:Cress
Start	1303	End	1620
GI	none	Score	85
Exons	1303..1446, 1304..1444, 1447..1620		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o1.tw	Method	TBLASTX:Wheat
Start	1327	End	1905
GI	none	Score	341
Exons	1327..1905, 1328..1894		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o2.tm	Method	TBLASTX:Maize
Start	1885	End	2248
GI	none	Score	167
Exons	1885..2247, 1894..2247, 1898..2248, 1955..2248		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o2.tw	Method	TBLASTX:Wheat
Start	1906	End	2319
GI	none	Score	366
Exons	1906..2319, 1907..2290		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o3.ts	Method	TBLASTX:Soybean
Start	2068	End	2313
GI	none	Score	84
Exons	2068..2313, 2069..2296		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o3.tm	Method	TBLASTX:Maize
Start	2284	End	2784
GI	none	Score	50
Exons	2284..2598, 2327..2377, 2414..2533, 2605..2784		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o7.tw	Method	TBLASTX:Wheat
Start	2320	End	2622

GI	none	Score	303
Exons	2320..2622, 2336..2620		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o1.ts	Method	TBLASTX:Soybean
Start	2335	End	2730
GI	none	Score	216
Exons	2335..2694, 2336..2626, 2657..2692, 2698..2730, 2699..2728		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o4.tw	Method	TBLASTX:Wheat
Start	2671	End	3157
GI	none	Score	95
Exons	2671..3048, 2714..2833, 2761..3036, 2852..3157		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o5.tm	Method	TBLASTX:Maize
Start	2852	End	3136
GI	none	Score	180
Exons	2852..3136, 2854..3135		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o9.tw	Method	TBLASTX:Wheat
Start	3322	End	3690
GI	none	Score	58
Exons	3322..3435, 3323..3436, 3481..3690, 3482..3634		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o8.tm	Method	TBLASTX:Maize
Start	3373	End	3726
GI	none	Score	188
Exons	3373..3726		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o8.tw	Method	TBLASTX:Wheat
Start	5169	End	5520
GI	none	Score	106
Exons	5169..5519, 5326..5520		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o6.tm	Method	TBLASTX:Maize
Start	5214	End	5519
GI	none	Score	84

Exons	5214..5519, 5389..5505		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o10.tw	Method	TBLASTX:Wheat
Start	5554	End	5753
GI	none	Score	110
Exons	5554..5751, 5556..5753		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o5.np	Method	AAT/NAP
Start	9196	End	13360
GI	5803259	Score	280
Exons	9196..9578, 12601..13360		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o9.tm	Method	TBLASTX:Maize
Start	10709	End	10963
GI	none	Score	188
Exons	10709..10963		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o4.gs	Method	GENSCAN
Start	11302	End	13321
GI	none	Score	.58
Exons	11302..11935, 12009..12067, 12138..12329, 12397..12521, 12688..12856, 12968..13042, 13190..13321		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o4.np	Method	AAT/NAP
Start	11346	End	12403
GI	6721561	Score	980
Exons	11346..11935, 12009..12067, 12138..12403		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o6.np	Method	AAT/NAP
Start	13089	End	15879
GI	5852179	Score	312
Exons	13089..13103, 14527..14758, 14833..15033, 15859..15879		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25589	Strand	-
Start	9196	End	18848
Name	OJ990920_07.9B10.C10.o7.np	Method	AAT/NAP
Start	15526	End	18848
GI	6721512	Score	101
Exons	15526..15580, 16979..17114, 17142..17244, 18723..18848		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12085	Seq. ID	OJ990920_07.9B10.C10
Gene No.	25590	Strand	
Start	19409	End	19669
Name	OJ990920_07.9B10.C10.o1.tc	Method	TBLASTX:Cress
Start	19409	End	19669
GI	none	Score	216
Exons	19409..19669		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25591	Strand	+
Start	6450	End	7842
Name	OJ990920_07.9B10.C12.o1.gp	Method	AAT/GAP
Start	5522	End	5872
GI	61605_3.R1084	Score	420
Exons	5522..5550, 5600..5872		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25591	Strand	+
Start	6450	End	7842
Name	OJ990920_07.9B10.C12.o2.gs	Method	GENSCAN
Start	6450	End	7842
GI	none	Score	.61
Exons	6450..6528, 7229..7842		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25592	Strand	+
Start	9265	End	10335
Name	OJ990920_07.9B10.C12.o3.gs	Method	GENSCAN
Start	9265	End	10335
GI	none	Score	.96
Exons	9265..10335		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25593	Strand	-
Start	1	End	4586
Name	OJ990920_07.9B10.C12.o1.np	Method	AAT/NAP
Start	1	End	4586
GI	5922631	Score	4303
Exons	1..1079, 1686..2566, 2693..2844, 2875..3452, 3498..3700, 3959..4203, 4462..4586		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the		

predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25593	Strand	-
Start	1	End	4586
Name	OJ990920_07.9B10.C12.o1.gs	Method	GENSCAN
Start	194	End	4586
GI	none	Score	.8
Exons	194..455, 631..1597, 1694..1948, 1981..2239, 2393..2539, 2693..2962, 3017..3192, 3238..4586		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o2.ts	Method	TBLASTX:Soybean
Start	4	End	392
GI	none	Score	143
Exons	4..384, 6..392		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o3.tw	Method	TBLASTX:Wheat
Start	15	End	383
GI	none	Score	219
Exons	15..383, 37..378		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o4.tw	Method	TBLASTX:Wheat
Start	436	End	853
GI	none	Score	77
Exons	436..849, 665..853		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o2.tm	Method	TBLASTX:Maize
Start	508	End	951
GI	none	Score	67
Exons	508..534, 544..663, 544..705, 697..951, 698..919, 703..924		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o1.ts	Method	TBLASTX:Soybean
Start	619	End	1011
GI	none	Score	110
Exons	619..1011, 845..1003, 859..1008		

Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o1.tw	Method	TBLASTX:Wheat
Start	895	End	1314

GI	none	Score	201
Exons	895..1314, 896..1312		
Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o3.tm	Method	TBLASTX:Maize
Start	952	End	1179
GI	none	Score	62
Exons	952..1179, 956..1051, 1136..1177		
Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o1.tm	Method	TBLASTX:Maize
Start	1183	End	1539
GI	none	Score	196
Exons	1183..1539, 1193..1498		
Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o3.ts	Method	TBLASTX:Soybean
Start	1264	End	1629
GI	none	Score	128
Exons	1264..1398, 1405..1629		
Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o2.tw	Method	TBLASTX:Wheat
Start	1345	End	1704
GI	none	Score	248
Exons	1345..1704, 1346..1690, 1360..1698		
Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o5.tw	Method	TBLASTX:Wheat
Start	1902	End	2249
GI	none	Score	117
Exons	1902..2249, 1903..2196		
Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o6.tw	Method	TBLASTX:Wheat
Start	2868	End	3270
GI	none	Score	108
Exons	2868..3269, 2962..3270		
Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o2.np	Method	AAT/NAP
Start	6254	End	10411
GI	6063554	Score	348

Exons	6254..6429, 7076..7104, 7456..7673, 7790..8075, 10380..10411		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	12086	Seq. ID	OJ990920_07.9B10.C12
Gene No.	25594	Strand	-
Start	6254	End	10411
Name	OJ990920_07.9B10.C12.o3.gp	Method	AAT/GAP
Start	6880	End	7609
GI	101153_1.R1084	Score	483
Exons	6880..7108, 7458..7609		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	12087	Seq. ID	OJ990920_07.9B10.C13
Gene No.	25595	Strand	+
Start	1	End	745
Name	OJ990920_07.9B10.C13.o1.np	Method	AAT/NAP
Start	1	End	745
GI	5902445	Score	1139
Exons	1..745		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	12087	Seq. ID	OJ990920_07.9B10.C13
Gene No.	25596	Strand	-
Start	17	End	2288
Name	OJ990920_07.9B10.C13.o1.gs	Method	GENSCAN
Start	17	End	2058
GI	none	Score	.57
Exons	17..311, 1141..1469, 1779..2058		
Seq. No.	12087	Seq. ID	OJ990920_07.9B10.C13
Gene No.	25596	Strand	-
Start	17	End	2288
Name	OJ990920_07.9B10.C13.o2.tm	Method	TBLASTX:Maize
Start	79	End	352
GI	none	Score	95
Exons	79..186, 80..178, 169..243, 173..253, 266..352		
Seq. No.	12087	Seq. ID	OJ990920_07.9B10.C13
Gene No.	25596	Strand	-
Start	17	End	2288
Name	OJ990920_07.9B10.C13.o1.tw	Method	TBLASTX:Wheat
Start	122	End	736
GI	none	Score	354
Exons	122..613, 142..231, 283..384, 599..736		
Seq. No.	12087	Seq. ID	OJ990920_07.9B10.C13
Gene No.	25596	Strand	-
Start	17	End	2288
Name	OJ990920_07.9B10.C13.o1.tm	Method	TBLASTX:Maize
Start	443	End	697
GI	none	Score	151
Exons	443..616, 595..669, 596..697		
Seq. No.	12087	Seq. ID	OJ990920_07.9B10.C13

Gene No.	25596	Strand	-
Start	17	End	2288
Name	OJ990920_07.9B10.C13.o2.np	Method	AAT/NAP
Start	1074	End	2288
GI	6691716	Score	707
Exons	1074..1522, 1593..2058, 2141..2288		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25597	Strand	+
Start	358	End	3759
Name	OJ990920_07.9B10.C14.o1.np	Method	AAT/NAP
Start	358	End	2062
GI	6630685	Score	2591
Exons	358..2062		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25597	Strand	+
Start	358	End	3759
Name	OJ990920_07.9B10.C14.o1.gs	Method	GENSCAN
Start	542	End	3759
GI	none	Score	.44
Exons	542..720, 826..999, 1155..1392, 1573..1666, 1671..1954, 2546..2679, 3282..3475, 3533..3759		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o3.tm	Method	TBLASTX:Maize
Start	365	End	717
GI	none	Score	214
Exons	365..550, 402..554, 554..691, 559..717, 560..715		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o1.ts	Method	TBLASTX:Soybean
Start	426	End	1032
GI	5509260	Score	119
Exons	426..554, 566..640, 650..1030, 652..1032		
GI Descrip.	-		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o1.tw	Method	TBLASTX:Wheat
Start	554	End	1012
GI	none	Score	59
Exons	554..640, 669..1004, 671..1012, 700..1005		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529

Name	OJ990920_07.9B10.C14.o1.tc	Method	TBLASTX:Cress
Start	632	End	913
GI	none	Score	197
Exons	632..913, 712..879		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o2.tm	Method	TBLASTX:Maize
Start	834	End	1272
GI	none	Score	365
Exons	834..1076, 835..1077, 836..1075, 837..1076, 1075..1272, 1078..1269, 1083..1271		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o2.tw	Method	TBLASTX:Wheat
Start	1204	End	1620
GI	none	Score	80
Exons	1204..1356, 1384..1620		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o1.tm	Method	TBLASTX:Maize
Start	1387	End	2083
GI	none	Score	534
Exons	1387..1752, 1394..1720, 1395..1748, 1747..2079, 1748..2083, 1980..2081		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o2.ts	Method	TBLASTX:Soybean
Start	1405	End	2047
GI	none	Score	271
Exons	1405..1761, 1410..1742, 1763..1795, 1807..1899, 1814..2047		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o3.tw	Method	TBLASTX:Wheat
Start	1630	End	2011
GI	none	Score	86
Exons	1630..1752, 1823..2011, 1829..1996, 1882..1998		

Seq. No.	12088	Seq. ID	OJ990920_07.9B10.C14
Gene No.	25598	Strand	-
Start	4817	End	5529
Name	OJ990920_07.9B10.C14.o2.gs	Method	GENSCAN
Start	4817	End	5529
GI	none	Score	.61
Exons	4817..5261, 5333..5529		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25599	Strand	+

Start	1	End	3801
Name	OJ990920_07.9B10.C15.o1.np	Method	AAT/NAP
Start	1	End	2588
GI	6691191	Score	2012
Exons	1..2588		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25599	Strand	+
Start	1	End	3801
Name	OJ990920_07.9B10.C15.o2.gs	Method	GENSCAN
Start	1285	End	1919
GI	none	Score	.6
Exons	1285..1296, 1476..1919		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25599	Strand	+
Start	1	End	3801
Name	OJ990920_07.9B10.C15.o3.gs	Method	GENSCAN
Start	2373	End	3801
GI	none	Score	.62
Exons	2373..2504, 2926..3279, 3290..3476, 3521..3801		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25600	Strand	-
Start	445	End	728
Name	OJ990920_07.9B10.C15.o1.gs	Method	GENSCAN
Start	445	End	728
GI	none	Score	.56
Exons	445..728		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o2.ts	Method	TBLASTX:Soybean
Start	108	End	518
GI	none	Score	68
Exons	108..206, 209..412, 211..411, 411..518, 411..506		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o4.tw	Method	TBLASTX:Wheat
Start	209	End	497
GI	none	Score	197
Exons	209..412, 233..403, 268..411, 411..497		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o1.tw	Method	TBLASTX:Wheat
Start	719	End	1072
GI	none	Score	409
Exons	719..1072, 742..984		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-

Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o4.ts	Method	TBLASTX:Soybean
Start	719	End	994
GI	none	Score	222
Exons	719..994, 739..975, 782..994		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o3.tw	Method	TBLASTX:Wheat
Start	1099	End	1568
GI	none	Score	178
Exons	1099..1299, 1102..1233, 1311..1385, 1365..1568		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o5.ts	Method	TBLASTX:Soybean
Start	1105	End	1245
GI	none	Score	202
Exons	1105..1245, 1105..1221		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o1.tc	Method	TBLASTX:Cress
Start	1362	End	1664
GI	none	Score	275
Exons	1362..1664, 1376..1462, 1514..1663		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o3.ts	Method	TBLASTX:Soybean
Start	1685	End	2006
GI	none	Score	51
Exons	1685..1714, 1686..1712, 1746..2006, 1748..2005		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o5.tw	Method	TBLASTX:Wheat
Start	1748	End	1994
GI	none	Score	216
Exons	1748..1903, 1749..1994		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o1.ts	Method	TBLASTX:Soybean
Start	2007	End	2497
GI	none	Score	312
Exons	2007..2396, 2009..2395, 2405..2497, 2406..2495		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589

Name	OJ990920_07.9B10.C15.o2.tw	Method	TBLASTX:Wheat
Start	2019	End	2399
GI	none	Score	346
Exons	2019..2399, 2078..2398		

Seq. No.	12089	Seq. ID	OJ990920_07.9B10.C15
Gene No.	25601	Strand	-
Start	5401	End	5589
Name	OJ990920_07.9B10.C15.o4.gs	Method	GENSCAN
Start	5401	End	5589
GI	none	Score	.85
Exons	5401..5589		

Seq. No.	12090	Seq. ID	OJ990920_07.9B10.C16
Gene No.	25602	Strand	+
Start	58	End	659
Name	OJ990920_07.9B10.C16.o1.gs	Method	GENSCAN
Start	58	End	659
GI	none	Score	.68
Exons	58..171, 264..355, 400..659		

Seq. No.	12090	Seq. ID	OJ990920_07.9B10.C16
Gene No.	25603	Strand	-
Start	1	End	745
Name	OJ990920_07.9B10.C16.o1.np	Method	AAT/NAP
Start	1	End	745
GI	5295955	Score	87
Exons	1..577, 675..745		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	12091	Seq. ID	OJ990920_07.9B10.C17
Gene No.	25604	Strand	+
Start	33	End	474
Name	OJ990920_07.9B10.C17.o1.gs	Method	GENSCAN
Start	33	End	474
GI	none	Score	.89
Exons	33..277, 370..474		

Seq. No.	12091	Seq. ID	OJ990920_07.9B10.C17
Gene No.	25605	Strand	-
Start	1	End	408
Name	OJ990920_07.9B10.C17.o1.np	Method	AAT/NAP
Start	1	End	408
GI	4680185	Score	468
Exons	1..408		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12092	Seq. ID	OJ990830_03.9B17.C1
Gene No.	25606	Strand	-
Start	806	End	1296
Name	OJ990830_03.9B17.C1.o1.gs	Method	GENSCAN
Start	806	End	1296
GI	none	Score	.66
Exons	806..843, 1069..1296		

Seq. No.	12093	Seq. ID	OJ990830_03.9B17.C2

Gene No.	25607	Strand	+
Start	29	End	490
Name	OJ990830_03.9B17.C2.o1.tm	Method	TBLASTX:Maize
Start	13	End	370
GI	none	Score	333
Exons	13..117, 14..370, 226..357		

Seq. No.	12093	Seq. ID	OJ990830_03.9B17.C2
Gene No.	25607	Strand	+
Start	29	End	490
Name	OJ990830_03.9B17.C2.o1.gs	Method	GENSCAN
Start	29	End	490
GI	none	Score	.99
Exons	29..490		

Seq. No.	12094	Seq. ID	OJ990830_03.9B17.C3
Gene No.	25608	Strand	+
Start	2	End	348
Name	OJ990830_03.9B17.C3.o1.np	Method	AAT/NAP
Start	2	End	348
GI	3549657	Score	156
Exons	2..348		
GI Descrip.	(AL031394) putative protein [Arabidopsis thaliana]		

Seq. No.	12094	Seq. ID	OJ990830_03.9B17.C3
Gene No.	25608	Strand	+
Start	2	End	348
Name	OJ990830_03.9B17.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	265
GI	none	Score	45
Exons	2..88, 47..265, 52..264		

Seq. No.	12094	Seq. ID	OJ990830_03.9B17.C3
Gene No.	25608	Strand	+
Start	2	End	348
Name	OJ990830_03.9B17.C3.o1.gs	Method	GENSCAN
Start	17	End	331
GI	none	Score	.65
Exons	17..331		

Seq. No.	12094	Seq. ID	OJ990830_03.9B17.C3
Gene No.	25608	Strand	+
Start	2	End	348
Name	OJ990830_03.9B17.C3.o1.tm	Method	TBLASTX:Maize
Start	74	End	332
GI	none	Score	318
Exons	74..328, 85..324, 125..331, 183..332		

Seq. No.	12095	Seq. ID	OJ990830_03.9B17.C6
Gene No.	25609	Strand	+
Start	1	End	436
Name	OJ990830_03.9B17.C6.o1.np	Method	AAT/NAP
Start	1	End	436
GI	3953481	Score	335
Exons	1..436		
GI Descrip.	(AC002328) F22O2.26 [Arabidopsis thaliana]		

Seq. No.	12095	Seq. ID	OJ990830_03.9B17.C6
Gene No.	25609	Strand	+
Start	1	End	436
Name	OJ990830_03.9B17.C6.o1.tm	Method	TBLASTX:Maize
Start	143	End	404
GI	none	Score	45
Exons	143..202, 169..210, 243..401,	251..403,	251..403, 252..404

Seq. No.	12096	Seq. ID	OJ990830_03.9B17.C7
Gene No.	25610	Strand	+
Start	254	End	662
Name	OJ990830_03.9B17.C7.o1.gs	Method	GENSCAN
Start	254	End	662
GI	none	Score	.99
Exons	254..337, 479..662		

Seq. No.	12097	Seq. ID	OJ990830_03.9B17.C8
Gene No.	25611	Strand	-
Start	1	End	717
Name	OJ990830_03.9B17.C8.o1.np	Method	AAT/NAP
Start	1	End	717
GI	1168518	Score	205
Exons	1..210, 355..435, 605..717		
GI Descrip.	APURINIC ENDONUCLEASE-REDOX PROTEIN (DNA-(APURINIC OR APYRIMIDINIC SITE) LYASE) gi|472869|emb|CAA54234| (X76912) ARP protein [Arabidopsis thaliana]		

Seq. No.	12097	Seq. ID	OJ990830_03.9B17.C8
Gene No.	25611	Strand	-
Start	1	End	717
Name	OJ990830_03.9B17.C8.o1.gs	Method	GENSCAN
Start	57	End	435
GI	none	Score	.98
Exons	57..210, 355..435		

Seq. No.	12098	Seq. ID	OJ990830_03.9B17.C10
Gene No.	25612	Strand	+
Start	1	End	295
Name	OJ990830_03.9B17.C10.o1.np	Method	AAT/NAP
Start	1	End	295
GI	4115365	Score	184
Exons	1..295		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12098	Seq. ID	OJ990830_03.9B17.C10
Gene No.	25612	Strand	+
Start	1	End	295
Name	OJ990830_03.9B17.C10.o1.gs	Method	GENSCAN
Start	83	End	266
GI	none	Score	.72
Exons	83..266		

Seq. No.	12099	Seq. ID	OJ990830_03.9B17.C11
Gene No.	25613	Strand	-
Start	31	End	4335
Name	OJ990830_03.9B17.C11.o1.gs	Method	GENSCAN

Start	31	End	4335
GI	none	Score	.47
Exons	31..381, 460..570, 641..715, 1600..2070, 2140..2483, 2872..2958, 4038..4065, 4183..4335		

Seq. No.	12100	Seq. ID	OJ990830_03.9B17.C12
Gene No.	25614	Strand	-
Start	1151	End	2155
Name	OJ990830_03.9B17.C12.o2.gs	Method	GENSCAN
Start	1151	End	2131
GI	none	Score	.69
Exons	1151..2131		

Seq. No.	12100	Seq. ID	OJ990830_03.9B17.C12
Gene No.	25614	Strand	-
Start	1151	End	2155
Name	OJ990830_03.9B17.C12.o1.np	Method	AAT/NAP
Start	1154	End	2155
GI	4097944	Score	1554
Exons	1154..2155		
GI Descrip.	(U72253) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	12100	Seq. ID	OJ990830_03.9B17.C12
Gene No.	25614	Strand	-
Start	1151	End	2155
Name	OJ990830_03.9B17.C12.o1.tc	Method	TBLASTX:Cress
Start	1160	End	2089
GI	none	Score	96
Exons	1160..1330, 1373..1522, 1377..1487, 1505..1780, 1554..1772, 1799..2089		

Seq. No.	12100	Seq. ID	OJ990830_03.9B17.C12
Gene No.	25614	Strand	-
Start	1151	End	2155
Name	OJ990830_03.9B17.C12.o1.ts	Method	TBLASTX:Soybean
Start	1160	End	2113
GI	none	Score	59
Exons	1160..1219, 1229..1330, 1230..1298, 1322..1483, 1374..1484, 1517..1720, 1563..1721, 1730..1789, 1784..1918, 1785..1826, 1904..2113		

Seq. No.	12100	Seq. ID	OJ990830_03.9B17.C12
Gene No.	25614	Strand	-
Start	1151	End	2155
Name	OJ990830_03.9B17.C12.o2.tw	Method	TBLASTX:Wheat
Start	1160	End	1444
GI	none	Score	57
Exons	1160..1225, 1209..1265, 1229..1270, 1230..1268, 1277..1330, 1278..1331, 1373..1444, 1374..1439		

Seq. No.	12100	Seq. ID	OJ990830_03.9B17.C12
Gene No.	25614	Strand	-
Start	1151	End	2155
Name	OJ990830_03.9B17.C12.o1.tm	Method	TBLASTX:Maize
Start	1160	End	2089
GI	none	Score	86
Exons	1160..1216, 1226..1297, 1227..1319, 1373..1420, 1374..1403,		

1418..1642, 1560..1643, 1652..1726, 1805..2089

Seq. No.	12100	Seq. ID	OJ990830_03.9B17.C12
Gene No.	25614	Strand	-
Start	1151	End	2155
Name	OJ990830_03.9B17.C12.o1.tw	Method	TBLASTX:Wheat
Start	1694	End	2086
GI	none	Score	51
Exons	1694..1789, 1695..1790, 1739..2086, 1806..1877		

Seq. No.	12101	Seq. ID	OJ990830_03.9B17.C15
Gene No.	25615	Strand	-
Start	1	End	627
Name	OJ990830_03.9B17.C15.o1.gp	Method	AAT/GAP
Start	1	End	627
GI	48559_1.R1084	Score	822
Exons	1..416, 528..627		
GI Descrip.	'3377509 7.0e-42 (AF056027) auxin transport protein REH1 [Oryza sativa]'		

Seq. No.	12101	Seq. ID	OJ990830_03.9B17.C15
Gene No.	25615	Strand	-
Start	1	End	627
Name	OJ990830_03.9B17.C15.o1.np	Method	AAT/NAP
Start	353	End	620
GI	5817303	Score	98
Exons	353..416, 528..620		
GI Descrip.	(AF087819) auxin transport protein [Arabidopsis thaliana]		

Seq. No.	12101	Seq. ID	OJ990830_03.9B17.C15
Gene No.	25615	Strand	-
Start	1	End	627
Name	OJ990830_03.9B17.C15.o1.gs	Method	GENSCAN
Start	515	End	604
GI	none	Score	.41
Exons	515..604		

Seq. No.	12102	Seq. ID	OJ990830_03.9B17.C16
Gene No.	25616	Strand	-
Start	781	End	1361
Name	OJ990830_03.9B17.C16.o1.gs	Method	GENSCAN
Start	781	End	1361
GI	none	Score	.43
Exons	781..1082, 1237..1258, 1305..1361		

Seq. No.	12103	Seq. ID	OJ990830_03.9B17.C19
Gene No.	25617	Strand	+
Start	611	End	733
Name	OJ990830_03.9B17.C19.o1.gs	Method	GENSCAN
Start	611	End	733
GI	none	Score	.63
Exons	611..628, 686..733		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25618	Strand	+
Start	172	End	1935
Name	OJ990830_03.9B17.C20.o1.gs	Method	GENSCAN

Start	172	End	1935
GI	none	Score	.48
Exons	172..267, 301..435, 1269..1403, 1441..1935		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o1.np	Method	AAT/NAP
Start	1	End	6139
GI	6630696	Score	5399
Exons	1..794, 3746..6139		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o2.tw	Method	TBLASTX:Wheat
Start	82	End	557
GI	none	Score	402
Exons	82..468, 84..467, 483..557, 484..552, 497..556		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o3.ts	Method	TBLASTX:Soybean
Start	195	End	569
GI	none	Score	56
Exons	195..419, 289..420, 438..566, 438..569		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o2.tm	Method	TBLASTX:Maize
Start	413	End	785
GI	none	Score	91
Exons	413..661, 414..785, 415..762		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o3.tw	Method	TBLASTX:Wheat
Start	3746	End	4261
GI	none	Score	45
Exons	3746..3922, 3917..4261, 3941..3991, 4083..4244		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o3.tm	Method	TBLASTX:Maize
Start	3797	End	4262
GI	none	Score	62
Exons	3797..4261, 3900..4010, 4046..4126, 4131..4262		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-

Start	1	End	6139
Name	OJ990830_03.9B17.C20.o1.ts	Method	TBLASTX:Soybean
Start	3932	End	4396
GI	5509260	Score	103
Exons	3932..4396, 4140..4301		
GI Descrip.	-		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o1.tc	Method	TBLASTX:Cress
Start	4043	End	4303
GI	none	Score	110
Exons	4043..4303, 4131..4301		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o1.tw	Method	TBLASTX:Wheat
Start	4316	End	5063
GI	none	Score	114
Exons	4316..4498, 4316..5056, 4320..4505, 4566..5063, 4656..5063		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o2.ts	Method	TBLASTX:Soybean
Start	4721	End	5119
GI	none	Score	111
Exons	4721..4894, 4898..5119, 4902..5117		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o4.tm	Method	TBLASTX:Maize
Start	4907	End	5371
GI	none	Score	76
Exons	4907..5371, 4929..5084		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o4.tw	Method	TBLASTX:Wheat
Start	5064	End	5264
GI	none	Score	212
Exons	5064..5264, 5064..5261, 5066..5263		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o4.ts	Method	TBLASTX:Soybean
Start	5129	End	5509
GI	none	Score	77
Exons	5129..5377, 5360..5509		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-

Start	1	End	6139
Name	OJ990830_03.9B17.C20.o1.tm	Method	TBLASTX:Maize
Start	5483	End	5833
GI	none	Score	355
Exons	5483..5524, 5553..5825, 5553..5825, 5554..5826, 5555..5827, 5570..5833		

Seq. No.	12104	Seq. ID	OJ990830_03.9B17.C20
Gene No.	25619	Strand	-
Start	1	End	6139
Name	OJ990830_03.9B17.C20.o1.gp	Method	AAT/GAP
Start	5768	End	6139
GI	101595_1.R1084	Score	425
Exons	5768..5842, 5958..6139		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	12105	Seq. ID	OJ990830_03.9B17.C21
Gene No.	25620	Strand	+
Start	57	End	1087
Name	OJ990830_03.9B17.C21.o1.gs	Method	GENSCAN
Start	57	End	1087
GI	none	Score	.43
Exons	57..167, 814..1087		

Seq. No.	12105	Seq. ID	OJ990830_03.9B17.C21
Gene No.	25621	Strand	-
Start	1	End	406
Name	OJ990830_03.9B17.C21.o1.gp	Method	AAT/GAP
Start	1	End	168
GI	101595_1.R1084	Score	336
Exons	1..168		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	12105	Seq. ID	OJ990830_03.9B17.C21
Gene No.	25621	Strand	-
Start	1	End	406
Name	OJ990830_03.9B17.C21.o1.np	Method	AAT/NAP
Start	1	End	210
GI	6630696	Score	369
Exons	1..210		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	12105	Seq. ID	OJ990830_03.9B17.C21
Gene No.	25621	Strand	-
Start	1	End	406
Name	OJ990830_03.9B17.C21.o1.tw	Method	TBLASTX:Wheat
Start	1	End	316
GI	none	Score	116
Exons	1..204, 2..130, 181..315, 218..316		

Seq. No.	12105	Seq. ID	OJ990830_03.9B17.C21
Gene No.	25621	Strand	-
Start	1	End	406

Name	OJ990830_03.9B17.C21.o1.tm	Method	TBLASTX:Maize
Start	16	End	406
GI	none	Score	87
Exons	16..165, 17..142, 103..162, 136..315, 142..315, 197..319, 316..396, 317..406		

Seq. No.	12106	Seq. ID	OJ990830_03.9B17.C22
Gene No.	25622	Strand	+
Start	325	End	753
Name	OJ990830_03.9B17.C22.o1.gs	Method	GENSCAN
Start	325	End	753
GI	none	Score	.98
Exons	325..753		

Seq. No.	12106	Seq. ID	OJ990830_03.9B17.C22
Gene No.	25623	Strand	-
Start	1360	End	2906
Name	OJ990830_03.9B17.C22.o1.gp	Method	AAT/GAP
Start	1186	End	2390
GI	4714925	Score	751
Exons	1186..1469, 1809..1894, 2342..2390		
GI Descrip.	1899050 7.0e-15 (U62773) ripening-associated protein [Lycopersicon esculentum]		

Seq. No.	12106	Seq. ID	OJ990830_03.9B17.C22
Gene No.	25623	Strand	-
Start	1360	End	2906
Name	OJ990830_03.9B17.C22.o2.gs	Method	GENSCAN
Start	1360	End	2854
GI	none	Score	.89
Exons	1360..1469, 1809..1894, 2342..2441, 2594..2693, 2756..2854		

Seq. No.	12106	Seq. ID	OJ990830_03.9B17.C22
Gene No.	25623	Strand	-
Start	1360	End	2906
Name	OJ990830_03.9B17.C22.o1.np	Method	AAT/NAP
Start	1371	End	2906
GI	3426035	Score	425
Exons	1371..1469, 1809..1894, 2342..2441, 2594..2693, 2756..2906		
GI Descrip.	(AC005168) putative ripening-associated protein [Arabidopsis thaliana]		

Seq. No.	12107	Seq. ID	OJ990830_03.9B17.C27
Gene No.	25624	Strand	+
Start	1	End	1043
Name	OJ990830_03.9B17.C27.o1.gp	Method	AAT/GAP
Start	1	End	601
GI	4715767	Score	992
Exons	1..420, 514..601		
GI Descrip.	6006355/dbj|AP000559.1|AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11		

Seq. No.	12107	Seq. ID	OJ990830_03.9B17.C27
Gene No.	25624	Strand	+
Start	1	End	1043
Name	OJ990830_03.9B17.C27.o1.gs	Method	GENSCAN
Start	151	End	848

GI	none	Score	.96
Exons	151..420, 514..622, 731..848		

Seq. No.	12107	Seq. ID	OJ990830_03.9B17.C27
Gene No.	25624	Strand	+
Start	1	End	1043
Name	OJ990830_03.9B17.C27.o1.tc	Method	TBLASTX:Cress
Start	228	End	1028
GI	none	Score	324
Exons	228..434, 229..468, 511..627, 513..647, 513..623, 725..850, 726..854, 727..849, 917..1003, 939..1028, 941..1003		

Seq. No.	12107	Seq. ID	OJ990830_03.9B17.C27
Gene No.	25624	Strand	+
Start	1	End	1043
Name	OJ990830_03.9B17.C27.o1.ts	Method	TBLASTX:Soybean
Start	291	End	768
GI	none	Score	148
Exons	291..419, 292..423, 513..623, 514..624, 732..767, 736..768		

Seq. No.	12107	Seq. ID	OJ990830_03.9B17.C27
Gene No.	25624	Strand	+
Start	1	End	1043
Name	OJ990830_03.9B17.C27.o1.tm	Method	TBLASTX:Maize
Start	315	End	1043
GI	none	Score	127
Exons	315..425, 322..423, 513..623, 514..624, 732..848, 739..846, 751..852, 944..1042, 946..1041, 947..1042, 948..1043		

Seq. No.	12108	Seq. ID	OJ990830_03.9B17.C28
Gene No.	25625	Strand	+
Start	1	End	424
Name	OJ990830_03.9B17.C28.o1.gp	Method	AAT/GAP
Start	1	End	424
GI	none	Score	422
Exons	1..163, 344..424		

Seq. No.	12108	Seq. ID	OJ990830_03.9B17.C28
Gene No.	25625	Strand	+
Start	1	End	424
Name	OJ990830_03.9B17.C28.o1.gs	Method	GENSCAN
Start	47	End	255
GI	none	Score	.69
Exons	47..188, 206..255		

Seq. No.	12109	Seq. ID	OJ990830_03.9B17.C30
Gene No.	25626	Strand	+
Start	387	End	591
Name	OJ990830_03.9B17.C30.o1.gs	Method	GENSCAN
Start	387	End	591
GI	none	Score	.6
Exons	387..591		

Seq. No.	12110	Seq. ID	OJ990830_03.9B17.C32
Gene No.	25627	Strand	-
Start	913	End	1856
Name	OJ990830_03.9B17.C32.o1.gs	Method	GENSCAN

Start	913	End	1856
GI	none	Score	.77
Exons	913..1128, 1752..1856		

Seq. No.	12111	Seq. ID	OJ990830_03.9B17.C33
Gene No.	25628	Strand	+
Start	1	End	1063
Name	OJ990830_03.9B17.C33.o1.np	Method	AAT/NAP
Start	1	End	1063
GI	3461815	Score	78
Exons	1..281, 1042..1063		
GI Descrip.	(AC004138) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12111	Seq. ID	OJ990830_03.9B17.C33
Gene No.	25628	Strand	+
Start	1	End	1063
Name	OJ990830_03.9B17.C33.o1.gs	Method	GENSCAN
Start	82	End	270
GI	none	Score	.48
Exons	82..270		

Seq. No.	12111	Seq. ID	OJ990830_03.9B17.C33
Gene No.	25629	Strand	-
Start	1	End	286
Name	OJ990830_03.9B17.C33.o1.gp	Method	AAT/GAP
Start	1	End	286
GI	none	Score	502
Exons	1..286		

Seq. No.	12111	Seq. ID	OJ990830_03.9B17.C33
Gene No.	25629	Strand	-
Start	1	End	286
Name	OJ990830_03.9B17.C33.o1.tm	Method	TBLASTX:Maize
Start	1	End	279
GI	none	Score	393
Exons	1..279, 3..275		

Seq. No.	12111	Seq. ID	OJ990830_03.9B17.C33
Gene No.	25629	Strand	-
Start	1	End	286
Name	OJ990830_03.9B17.C33.o1.ts	Method	TBLASTX:Soybean
Start	3	End	279
GI	none	Score	118
Exons	3..179, 3..275, 4..279		

Seq. No.	12112	Seq. ID	OJ990830_03.9B17.C35
Gene No.	25630	Strand	+
Start	1287	End	1677
Name	OJ990830_03.9B17.C35.o1.gp	Method	AAT/GAP
Start	1287	End	1677
GI	30494_1.R1084	Score	759
Exons	1287..1677		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	12112	Seq. ID	OJ990830_03.9B17.C35
Gene No.	25631	Strand	-

Start	1413	End	1630
Name	OJ990830_03.9B17.C35.o1.gs	Method	GENSCAN
Start	1413	End	1630
GI	none	Score	.54
Exons	1413..1630		

Seq. No.	12113	Seq. ID	OJ990830_03.9B17.C36
Gene No.	25632	Strand	+
Start	395	End	1340
Name	OJ990830_03.9B17.C36.o1.gp	Method	AAT/GAP
Start	395	End	630
GI	30494_1.R1084	Score	451
Exons	395..630		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	12113	Seq. ID	OJ990830_03.9B17.C36
Gene No.	25632	Strand	+
Start	395	End	1340
Name	OJ990830_03.9B17.C36.o1.gs	Method	GENSCAN
Start	395	End	1340
GI	none	Score	.58
Exons	395..947, 1115..1340		

Seq. No.	12113	Seq. ID	OJ990830_03.9B17.C36
Gene No.	25632	Strand	+
Start	395	End	1340
Name	OJ990830_03.9B17.C36.o1.tc	Method	TBLASTX:Cress
Start	397	End	669
GI	none	Score	247
Exons	397..669, 404..595, 408..665, 412..669		

Seq. No.	12113	Seq. ID	OJ990830_03.9B17.C36
Gene No.	25632	Strand	+
Start	395	End	1340
Name	OJ990830_03.9B17.C36.o1.ts	Method	TBLASTX:Soybean
Start	410	End	624
GI	none	Score	63
Exons	410..538, 414..560, 421..624, 423..620		

Seq. No.	12114	Seq. ID	OJ990830_03.9B17.C37
Gene No.	25633	Strand	+
Start	1	End	84
Name	OJ990830_03.9B17.C37.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	48559_1.R1084	Score	126
Exons	1..84		
GI Descrip.	'3377509 7.0e-42 (AF056027) auxin transport protein REH1 [Oryza sativa]'		

Seq. No.	12114	Seq. ID	OJ990830_03.9B17.C37
Gene No.	25634	Strand	-
Start	20	End	79
Name	OJ990830_03.9B17.C37.o1.gs	Method	GENSCAN
Start	20	End	79
GI	none	Score	.85
Exons	20..79		

Seq. No.	12115	Seq. ID	OJ990830_03.9B17.C38
Gene No.	25635	Strand	-
Start	664	End	3967
Name	OJ990830_03.9B17.C38.o1.np	Method	AAT/NAP
Start	664	End	3967
GI	5734709	Score	123
Exons	664..695, 3416..3967		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	12115	Seq. ID	OJ990830_03.9B17.C38
Gene No.	25636	Strand	-
Start	4088	End	5825
Name	OJ990830_03.9B17.C38.o2.np	Method	AAT/NAP
Start	4088	End	5825
GI	6907086	Score	1254
Exons	4088..4447, 4548..4632, 4861..5093, 5151..5825		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12116	Seq. ID	OJ990830_03.9B17.C39
Gene No.	25637	Strand	-
Start	1	End	1707
Name	OJ990830_03.9B17.C39.o1.np	Method	AAT/NAP
Start	1	End	332
GI	6069659	Score	102
Exons	1..58, 209..332		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	12116	Seq. ID	OJ990830_03.9B17.C39
Gene No.	25637	Strand	-
Start	1	End	1707
Name	OJ990830_03.9B17.C39.o2.np	Method	AAT/NAP
Start	1	End	1025
GI	6907088	Score	565
Exons	1..38, 475..712, 888..1025		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12116	Seq. ID	OJ990830_03.9B17.C39
Gene No.	25637	Strand	-
Start	1	End	1707
Name	OJ990830_03.9B17.C39.o1.gp	Method	AAT/GAP
Start	23	End	214
GI	5667165	Score	360
Exons	23..214		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	12116	Seq. ID	OJ990830_03.9B17.C39
Gene No.	25637	Strand	-
Start	1	End	1707
Name	OJ990830_03.9B17.C39.o1.gs	Method	GENSCAN
Start	192	End	1707
GI	none	Score	.55
Exons	192..332, 475..579, 888..1045, 1571..1707		

Seq. No.	12117	Seq. ID	OJ990830_03.9B17.C40

Gene No.	25638	Strand	-
Start	1259	End	1699
Name	OJ990830_03.9B17.C40.o1.gp	Method	AAT/GAP
Start	1259	End	1651
GI	none	Score	704
Exons	1259..1651		

Seq. No.	12117	Seq. ID	OJ990830_03.9B17.C40
Gene No.	25638	Strand	-
Start	1259	End	1699
Name	OJ990830_03.9B17.C40.o1.tm	Method	TBLASTX:Maize
Start	1450	End	1699
GI	none	Score	130
Exons	1450..1698, 1598..1699		

Seq. No.	12117	Seq. ID	OJ990830_03.9B17.C40
Gene No.	25638	Strand	-
Start	1259	End	1699
Name	OJ990830_03.9B17.C40.o1.gs	Method	GENSCAN
Start	1474	End	1613
GI	none	Score	1
Exons	1474..1613		

Seq. No.	12117	Seq. ID	OJ990830_03.9B17.C40
Gene No.	25638	Strand	-
Start	1259	End	1699
Name	OJ990830_03.9B17.C40.o1.np	Method	AAT/NAP
Start	1480	End	1699
GI	4432863	Score	266
Exons	1480..1699		
GI Descrip.	(AC006300) putative phosphate/phosphoenolpyruvate translocator protein [Arabidopsis thaliana]		

Seq. No.	12118	Seq. ID	OJ990830_03.9B17.C42
Gene No.	25639	Strand	+
Start	101	End	284
Name	OJ990830_03.9B17.C42.o1.gs	Method	GENSCAN
Start	101	End	284
GI	none	Score	.94
Exons	101..284		

Seq. No.	12119	Seq. ID	OJ990830_03.9B17.C44
Gene No.	25640	Strand	-
Start	319	End	811
Name	OJ990830_03.9B17.C44.o1.gp	Method	AAT/GAP
Start	319	End	811
GI	LIB3477-003-P1-K1-E9	Score	152
Exons	319..347, 741..811		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	12120	Seq. ID	OJ990830_03.9B17.C45
Gene No.	25641	Strand	-
Start	1	End	980
Name	OJ990830_03.9B17.C45.o1.np	Method	AAT/NAP
Start	1	End	980

GI	4581120	Score	307
Exons	1..42, 636..980		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12120	Seq. ID	OJ990830_03.9B17.C45
Gene No.	25641	Strand	-
Start	1	End	980
Name	OJ990830_03.9B17.C45.o1.gs	Method	GENSCAN
Start	421	End	912
GI	none	Score	.95
Exons	421..912		

Seq. No.	12120	Seq. ID	OJ990830_03.9B17.C45
Gene No.	25641	Strand	-
Start	1	End	980
Name	OJ990830_03.9B17.C45.o1.ts	Method	TBLASTX:Soybean
Start	637	End	978
GI	none	Score	185
Exons	637..924, 638..859, 640..861, 892..948, 961..978		

Seq. No.	12120	Seq. ID	OJ990830_03.9B17.C45
Gene No.	25641	Strand	-
Start	1	End	980
Name	OJ990830_03.9B17.C45.o1.tm	Method	TBLASTX:Maize
Start	667	End	975
GI	none	Score	123
Exons	667..975, 668..901		

Seq. No.	12121	Seq. ID	OJ990830_03.9B17.C48
Gene No.	25642	Strand	-
Start	1	End	462
Name	OJ990830_03.9B17.C48.o1.gp	Method	AAT/GAP
Start	1	End	462
GI	26267_1.R1084	Score	873
Exons	1..462		
GI Descrip.	'4049341/emb|CAA22566.1| 4.0e-10 (AL034567) putative protein [Arabidopsis thaliana]'		

Seq. No.	12121	Seq. ID	OJ990830_03.9B17.C48
Gene No.	25642	Strand	-
Start	1	End	462
Name	OJ990830_03.9B17.C48.o1.tw	Method	TBLASTX:Wheat
Start	1	End	139
GI	none	Score	185
Exons	1..135, 2..139		

Seq. No.	12121	Seq. ID	OJ990830_03.9B17.C48
Gene No.	25642	Strand	-
Start	1	End	462
Name	OJ990830_03.9B17.C48.o1.ts	Method	TBLASTX:Soybean
Start	1	End	136
GI	none	Score	118
Exons	1..135, 2..136		

Seq. No.	12121	Seq. ID	OJ990830_03.9B17.C48
Gene No.	25642	Strand	-
Start	1	End	462

Name	OJ990830_03.9B17.C48.o1.np	Method	AAT/NAP
Start	1	End	156
GI	4049341	Score	219
Exons	1..156		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	12121	Seq. ID	OJ990830_03.9B17.C48
Gene No.	25642	Strand	-
Start	1	End	462
Name	OJ990830_03.9B17.C48.o1.tc	Method	TBLASTX:Cress
Start	1	End	136
GI	none	Score	127
Exons	1..135, 5..136		

Seq. No.	12121	Seq. ID	OJ990830_03.9B17.C48
Gene No.	25642	Strand	-
Start	1	End	462
Name	OJ990830_03.9B17.C48.o1.tm	Method	TBLASTX:Maize
Start	1	End	139
GI	none	Score	203
Exons	1..135, 2..139		

Seq. No.	12121	Seq. ID	OJ990830_03.9B17.C48
Gene No.	25642	Strand	-
Start	1	End	462
Name	OJ990830_03.9B17.C48.o1.gs	Method	GENSCAN
Start	26	End	186
GI	none	Score	.52
Exons	26..186		

Seq. No.	12122	Seq. ID	OJ990830_03.9B17.C49
Gene No.	25643	Strand	+
Start	698	End	775
Name	OJ990830_03.9B17.C49.o1.gs	Method	GENSCAN
Start	698	End	775
GI	none	Score	.88
Exons	698..775		

Seq. No.	12123	Seq. ID	OJ990830_03.9B17.C50
Gene No.	25644	Strand	+
Start	1	End	719
Name	OJ990830_03.9B17.C50.o1.np	Method	AAT/NAP
Start	1	End	719
GI	1168518	Score	438
Exons	1..236, 392..499, 654..719		
GI Descrip.	APURINIC ENDONUCLEASE-REDOX PROTEIN (DNA-(APURINIC OR APYRIMIDINIC SITE) LYASE) gi|472869|emb|CAA54234| (X76912) ARP protein [Arabidopsis thaliana]		

Seq. No.	12123	Seq. ID	OJ990830_03.9B17.C50
Gene No.	25644	Strand	+
Start	1	End	719
Name	OJ990830_03.9B17.C50.o1.tm	Method	TBLASTX:Maize
Start	4	End	246
GI	none	Score	57
Exons	4..33, 5..34, 21..239, 29..235, 39..242, 118..246		

Seq. No.	12124	Seq. ID	OJ990830_03.9B17.C51
Gene No.	25645	Strand	-
Start	443	End	869
Name	OJ990830_03.9B17.C51.o1.gs	Method	GENSCAN
Start	443	End	814
GI	none	Score	.41
Exons	443..532, 638..814		

Seq. No.	12124	Seq. ID	OJ990830_03.9B17.C51
Gene No.	25645	Strand	-
Start	443	End	869
Name	OJ990830_03.9B17.C51.o1.tm	Method	TBLASTX:Maize
Start	503	End	841
GI	none	Score	201
Exons	503..649, 504..761, 550..834, 582..812, 698..841, 698..835		

Seq. No.	12124	Seq. ID	OJ990830_03.9B17.C51
Gene No.	25645	Strand	-
Start	443	End	869
Name	OJ990830_03.9B17.C51.o1.np	Method	AAT/NAP
Start	602	End	869
GI	4538896	Score	154
Exons	602..869		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	12125	Seq. ID	OJ990830_03.9B17.C52
Gene No.	25646	Strand	+
Start	1	End	723
Name	OJ990830_03.9B17.C52.o1.gp	Method	AAT/GAP
Start	1	End	221
GI	31789_1.R1084	Score	391
Exons	1..221		
GI Descrip.	'1168518/sp|P45951|ARP_ARATH 5.0e-23 APURINIC ENDONUCLEASE-REDOX PROTEIN (DNA-(APURINIC OR APYRIMIDINIC SITE) LYASE) >gi_472869_emb_CAA54234_ (X76912) ARP protein [Arabidopsis thaliana]'		

Seq. No.	12125	Seq. ID	OJ990830_03.9B17.C52
Gene No.	25646	Strand	+
Start	1	End	723
Name	OJ990830_03.9B17.C52.o1.np	Method	AAT/NAP
Start	1	End	723
GI	3241944	Score	414
Exons	1..211, 387..487, 612..723		
GI Descrip.	(AC004625) DNA-(apurinic or apyrimidinic site) lyase (ARP) [Arabidopsis thaliana]		

Seq. No.	12125	Seq. ID	OJ990830_03.9B17.C52
Gene No.	25646	Strand	+
Start	1	End	723
Name	OJ990830_03.9B17.C52.o2.np	Method	AAT/NAP
Start	82	End	723
GI	4156036	Score	163
Exons	82..235, 420..487, 612..723		
GI Descrip.	(AE001564) EXODEOXYRIBONUCLEASE [Helicobacter pylori J99]		

Seq. No.	12125	Seq. ID	OJ990830_03.9B17.C52

Gene No.	25646	Strand	+
Start	1	End	723
Name	OJ990830_03.9B17.C52.o1.tm	Method	TBLASTX:Maize
Start	135	End	723
GI	none	Score	104
Exons	135..209, 136..207, 380..427, 611..721, 616..723	433..489, 434..490, 609..722,	

Seq. No.	12125	Seq. ID	OJ990830_03.9B17.C52
Gene No.	25646	Strand	+
Start	1	End	723
Name	OJ990830_03.9B17.C52.o1.gs	Method	GENSCAN
Start	383	End	704
GI	none	Score	.93
Exons	383..487, 612..704		

Seq. No.	12126	Seq. ID	OJ990830_03.9B17.C54
Gene No.	25647	Strand	-
Start	254	End	397
Name	OJ990830_03.9B17.C54.o1.gs	Method	GENSCAN
Start	254	End	397
GI	none	Score	.97
Exons	254..397		

Seq. No.	12127	Seq. ID	OJ990830_03.9B17.C55
Gene No.	25648	Strand	-
Start	1	End	724
Name	OJ990830_03.9B17.C55.o2.np	Method	AAT/NAP
Start	1	End	724
GI	6630458	Score	234
Exons	1..231, 343..724		
GI Descrip.	(AC007190) F23N19.13 [Arabidopsis thaliana]		

Seq. No.	12127	Seq. ID	OJ990830_03.9B17.C55
Gene No.	25648	Strand	-
Start	1	End	724
Name	OJ990830_03.9B17.C55.o1.gs	Method	GENSCAN
Start	67	End	651
GI	none	Score	.57
Exons	67..551, 605..651		

Seq. No.	12127	Seq. ID	OJ990830_03.9B17.C55
Gene No.	25648	Strand	-
Start	1	End	724
Name	OJ990830_03.9B17.C55.o1.tm	Method	TBLASTX:Maize
Start	389	End	716
GI	none	Score	96
Exons	389..562, 399..563, 559..666,	651..716, 666..716	

Seq. No.	12128	Seq. ID	OJ990830_03.9B17.C56
Gene No.	25649	Strand	+
Start	1262	End	1471
Name	OJ990830_03.9B17.C56.o1.gs	Method	GENSCAN
Start	1262	End	1471
GI	none	Score	.66
Exons	1262..1471		

Seq. No.	12129	Seq. ID	OJ990830_03.9B17.C57
Gene No.	25650	Strand	-
Start	58	End	571
Name	OJ990830_03.9B17.C57.o1.gs	Method	GENSCAN
Start	58	End	571
GI	none	Score	.46
Exons	58..297, 552..571		

Seq. No.	12130	Seq. ID	OJ990830_03.9B17.C59
Gene No.	25651	Strand	-
Start	1	End	729
Name	OJ990830_03.9B17.C59.o1.np	Method	AAT/NAP
Start	1	End	729
GI	3241944	Score	186
Exons	1..64, 447..610, 655..729		
GI Descrip.	(AC004625) DNA-(apurinic or apyrimidinic site) lyase (ARP) [Arabidopsis thaliana]		

Seq. No.	12130	Seq. ID	OJ990830_03.9B17.C59
Gene No.	25651	Strand	-
Start	1	End	729
Name	OJ990830_03.9B17.C59.o1.gs	Method	GENSCAN
Start	451	End	634
GI	none	Score	.41
Exons	451..634		

Seq. No.	12131	Seq. ID	OJ990830_03.9B17.C60
Gene No.	25652	Strand	-
Start	3019	End	3363
Name	OJ990830_03.9B17.C60.o1.tm	Method	TBLASTX:Maize
Start	2904	End	3191
GI	none	Score	62
Exons	2904..2948, 2973..3191, 2984..3178		

Seq. No.	12131	Seq. ID	OJ990830_03.9B17.C60
Gene No.	25652	Strand	-
Start	3019	End	3363
Name	OJ990830_03.9B17.C60.o1.gp	Method	AAT/GAP
Start	3019	End	3363
GI	2799664	Score	519
Exons	3019..3363		

Seq. No.	12132	Seq. ID	OJ990830_03.9B17.C61
Gene No.	25653	Strand	-
Start	48	End	1458
Name	OJ990830_03.9B17.C61.o1.gs	Method	GENSCAN
Start	48	End	1409
GI	none	Score	.6
Exons	48..545, 626..693, 817..1409		

Seq. No.	12132	Seq. ID	OJ990830_03.9B17.C61
Gene No.	25653	Strand	-
Start	48	End	1458
Name	OJ990830_03.9B17.C61.o1.tm	Method	TBLASTX:Maize
Start	1210	End	1458
GI	none	Score	39
Exons	1210..1254, 1211..1255, 1303..1458, 1325..1450		

Seq. No.	12133	Seq. ID	OJ990830_03.9B17.C63
Gene No.	25654	Strand	-
Start	1	End	718
Name	OJ990830_03.9B17.C63.o1.gp	Method	AAT/GAP
Start	1	End	224
GI	29815_2.R1084	Score	444
Exons	1..224		
GI Descrip.	'2618689 7.0e-09 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12133	Seq. ID	OJ990830_03.9B17.C63
Gene No.	25654	Strand	-
Start	1	End	718
Name	OJ990830_03.9B17.C63.o1.tm	Method	TBLASTX:Maize
Start	72	End	249
GI	none	Score	187
Exons	72..248, 72..248, 73..249		

Seq. No.	12133	Seq. ID	OJ990830_03.9B17.C63
Gene No.	25654	Strand	-
Start	1	End	718
Name	OJ990830_03.9B17.C63.o1.gs	Method	GENSCAN
Start	93	End	234
GI	none	Score	97
Exons	93..234		

Seq. No.	12133	Seq. ID	OJ990830_03.9B17.C63
Gene No.	25654	Strand	-
Start	1	End	718
Name	OJ990830_03.9B17.C63.o1.np	Method	AAT/NAP
Start	114	End	718
GI	2618689	Score	118
Exons	114..248, 657..718		
GI Descrip.	(AC002510) glycerol-3-phosphate dehydrogenase [Arabidopsis thaliana]		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25655	Strand	+
Start	1	End	244
Name	OJ990830_03.9B17.C64.o1.gp	Method	AAT/GAP
Start	1	End	244
GI	29815_1.R1084	Score	353
Exons	1..244		
GI Descrip.	'2618689 5.0e-45 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25656	Strand	-
Start	1	End	2141
Name	OJ990830_03.9B17.C64.o1.np	Method	AAT/NAP
Start	1	End	2141
GI	2618689	Score	1548
Exons	1..294, 654..875, 1487..2141		
GI Descrip.	(AC002510) glycerol-3-phosphate dehydrogenase [Arabidopsis thaliana]		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25656	Strand	-
Start	1	End	2141
Name	OJ990830_03.9B17.C64.o1.tm	Method	TBLASTX:Maize
Start	38	End	2075
GI	none	Score	306
Exons	38..295, 47..298, 48..299, 650..880, 652..891, 1476..2075, 1477..2013		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25656	Strand	-
Start	1	End	2141
Name	OJ990830_03.9B17.C64.o1.gs	Method	GENSCAN
Start	47	End	2138
GI	none	Score	.83
Exons	47..294, 654..875, 1487..2138		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25656	Strand	-
Start	1	End	2141
Name	OJ990830_03.9B17.C64.o3.ts	Method	TBLASTX:Soybean
Start	135	End	734
GI	none	Score	59
Exons	135..176, 137..178, 151..186, 173..298, 174..299, 180..299, 650..733, 651..734, 652..732		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25656	Strand	-
Start	1	End	2141
Name	OJ990830_03.9B17.C64.o1.tc	Method	TBLASTX:Cress
Start	685	End	1838
GI	none	Score	200
Exons	685..891, 686..880, 1474..1806, 1476..1838		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25656	Strand	-
Start	1	End	2141
Name	OJ990830_03.9B17.C64.o1.ts	Method	TBLASTX:Soybean
Start	749	End	1856
GI	none	Score	165
Exons	749..880, 761..859, 763..930, 1476..1856, 1477..1758		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25656	Strand	-
Start	1	End	2141
Name	OJ990830_03.9B17.C64.o2.tc	Method	TBLASTX:Cress
Start	1857	End	2075
GI	none	Score	81
Exons	1857..1949, 1950..2075, 1957..2013		

Seq. No.	12134	Seq. ID	OJ990830_03.9B17.C64
Gene No.	25656	Strand	-
Start	1	End	2141
Name	OJ990830_03.9B17.C64.o2.ts	Method	TBLASTX:Soybean
Start	1857	End	2075
GI	none	Score	154
Exons	1857..2075, 1858..2013		

Seq. No.	12135	Seq. ID	OJ990830_03.9B17.C65
Gene No.	25657	Strand	-
Start	936	End	1776
Name	OJ990830_03.9B17.C65.o1.tm	Method	TBLASTX:Maize
Start	865	End	1631
GI	none	Score	337
Exons	865..1164, 875..1165, 883..1164, 936..1196, 989..1168, 1578..1631		

Seq. No.	12135	Seq. ID	OJ990830_03.9B17.C65
Gene No.	25657	Strand	-
Start	936	End	1776
Name	OJ990830_03.9B17.C65.o1.gs	Method	GENSCAN
Start	936	End	1703
GI	none	Score	.93
Exons	936..1163, 1581..1703		

Seq. No.	12135	Seq. ID	OJ990830_03.9B17.C65
Gene No.	25657	Strand	-
Start	936	End	1776
Name	OJ990830_03.9B17.C65.o1.ts	Method	TBLASTX:Soybean
Start	951	End	1773
GI	none	Score	279
Exons	951..1196, 955..1161, 957..1172, 1578..1769, 1578..1769, 1582..1773, 1660..1770		

Seq. No.	12135	Seq. ID	OJ990830_03.9B17.C65
Gene No.	25657	Strand	-
Start	936	End	1776
Name	OJ990830_03.9B17.C65.o1.np	Method	AAT/NAP
Start	972	End	1776
GI	3461815	Score	171
Exons	972..1163, 1581..1776		
GI Descrip.	(AC004138) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12136	Seq. ID	OJ990920_03.9B24.C1
Gene No.	25658	Strand	
Start	133	End	393
Name	OJ990920_03.9B24.C1.o1.tm	Method	TBLASTX:Maize
Start	133	End	393
GI	none	Score	127
Exons	133..390, 133..393		

Seq. No.	12137	Seq. ID	OJ990920_03.9B24.C2
Gene No.	25659	Strand	+
Start	1	End	730
Name	OJ990920_03.9B24.C2.o1.np	Method	AAT/NAP
Start	1	End	730
GI	5922620	Score	148
Exons	1..98, 142..344, 381..464, 711..730		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12137	Seq. ID	OJ990920_03.9B24.C2
Gene No.	25659	Strand	+
Start	1	End	730
Name	OJ990920_03.9B24.C2.o1.gs	Method	GENSCAN
Start	111	End	648
GI	none	Score	.45
Exons	111..176, 310..347, 450..648		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25660	Strand	+
Start	5062	End	10908
Name	OJ990920_03.9B24.C3.o1.np	Method	AAT/NAP
Start	5062	End	10908
GI	4512618	Score	1838
Exons	5062..5283, 5685..6031, 6083..6414, 6591..8168, 8450..10052, 10754..10908		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25660	Strand	+
Start	5062	End	10908
Name	OJ990920_03.9B24.C3.o2.gs	Method	GENSCAN
Start	5062	End	10061
GI	none	Score	.66
Exons	5062..5283, 5440..5892, 5894..6761, 6799..6993, 7984..8669, 8763..8873, 8878..9173, 9278..10061		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25661	Strand	-
Start	25	End	3671
Name	OJ990920_03.9B24.C3.o1.gs	Method	GENSCAN
Start	25	End	3671
GI	none	Score	.69
Exons	25..577, 2803..3671		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25662	Strand	-
Start	10707	End	11024
Name	OJ990920_03.9B24.C3.o3.gs	Method	GENSCAN
Start	10707	End	11024
GI	none	Score	.79
Exons	10707..11024		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o10.tm	Method	TBLASTX:Maize
Start	1	End	228
GI	none	Score	196
Exons	1..228		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o4.tw	Method	TBLASTX:Wheat

Start	1	End	225
GI	none	Score	68
Exons	1..102, 118..201, 121..225, 122..220		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o4.ts	Method	TBLASTX:Soybean
Start	85	End	429
GI	none	Score	80
Exons	85..240, 89..217, 91..291, 349..429		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o6.tm	Method	TBLASTX:Maize
Start	3249	End	3626
GI	none	Score	85
Exons	3249..3509, 3250..3408, 3504..3626, 3518..3538, 3523..3609		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o5.tm	Method	TBLASTX:Maize
Start	5590	End	6088
GI	none	Score	67
Exons	5590..5664, 5599..5748, 5683..5748, 5791..5859, 5860..6045, 5873..6088		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o9.tm	Method	TBLASTX:Maize
Start	6654	End	7028
GI	none	Score	114
Exons	6654..6821, 6831..7028		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o8.tm	Method	TBLASTX:Maize
Start	7154	End	7438
GI	none	Score	184
Exons	7154..7321, 7158..7325, 7338..7436, 7340..7438		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o3.tm	Method	TBLASTX:Maize
Start	7439	End	7896
GI	none	Score	130
Exons	7439..7546, 7443..7544, 7503..7667, 7521..7718, 7570..7683, 7589..7696, 7682..7756, 7755..7883, 7756..7896		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995

Name	OJ990920_03.9B24.C3.o3.ts	Method	TBLASTX:Soybean
Start	7449	End	7905
GI	none	Score	156
Exons	7449..7691, 7688..7756, 7783..7905		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o1.tc	Method	TBLASTX:Cress
Start	7479	End	7928
GI	none	Score	129
Exons	7479..7718, 7782..7928, 7783..7905		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o3.tw	Method	TBLASTX:Wheat
Start	7569	End	7905
GI	none	Score	123
Exons	7569..7694, 7615..7647, 7688..7756, 7711..7743, 7755..7856, 7756..7905		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o7.tm	Method	TBLASTX:Maize
Start	8600	End	8843
GI	none	Score	261
Exons	8600..8842, 8601..8843		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o2.ts	Method	TBLASTX:Soybean
Start	8601	End	9042
GI	5509260	Score	137
Exons	8601..8879, 8865..9038, 8878..9042		
GI Descrip.	-		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o2.tc	Method	TBLASTX:Cress
Start	8655	End	8876
GI	none	Score	187
Exons	8655..8876, 8681..8854		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o2.tw	Method	TBLASTX:Wheat
Start	8688	End	9018
GI	none	Score	116
Exons	8688..8879, 8865..9017, 8878..9018		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-

Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	8844	End	9261
GI	none	Score	41
Exons	8844..8879, 8875..9099, 8877..9068, 8877..9239, 8878..9261, 9160..9261		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o1.tw	Method	TBLASTX:Wheat
Start	9223	End	9653
GI	none	Score	43
Exons	9223..9249, 9284..9364, 9288..9365, 9408..9653, 9410..9508, 9554..9652		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	9266	End	9711
GI	none	Score	474
Exons	9266..9709, 9288..9710, 9385..9711, 9387..9710		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o1.ts	Method	TBLASTX:Soybean
Start	9417	End	10022
GI	none	Score	434
Exons	9417..10022, 9437..9502, 9611..9721		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o4.tm	Method	TBLASTX:Maize
Start	9720	End	10055
GI	none	Score	335
Exons	9720..10019, 9723..9878, 9830..10018, 10023..10055		

Seq. No.	12138	Seq. ID	OJ990920_03.9B24.C3
Gene No.	25663	Strand	-
Start	14460	End	14995
Name	OJ990920_03.9B24.C3.o2.np	Method	AAT/NAP
Start	14460	End	14995
GI	4584355	Score	340
Exons	14460..14995		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25664	Strand	+
Start	151	End	5557
Name	OJ990920_03.9B24.C4.o1.gs	Method	GENSCAN
Start	151	End	5557
GI	none	Score	.44
Exons	151..226, 401..499, 1245..1340, 1346..1488, 1534..1558, 1870..1901, 2184..2293, 2829..3004, 3456..3570, 4924..5087,		

5182..5245, 5446..5557

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25664	Strand	+
Start	151	End	5557
Name	OJ990920_03.9B24.C4.o2.np	Method	AAT/NAP
Start	1181	End	3628
GI	5922620	Score	352
Exons	1181..1219, 1378..1532, 2276..2386, 2483..2571, 2618..2849, 3497..3628		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25665	Strand	+
Start	6382	End	6467
Name	OJ990920_03.9B24.C4.o5.np	Method	AAT/NAP
Start	6382	End	6467
GI	6721561	Score	76
Exons	6382..6467		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25666	Strand	+
Start	7344	End	9363
Name	OJ990920_03.9B24.C4.o1.gp	Method	AAT/GAP
Start	7167	End	7591
GI	2309677	Score	676
Exons	7167..7229, 7305..7591		

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25666	Strand	+
Start	7344	End	9363
Name	OJ990920_03.9B24.C4.o2.gs	Method	GENSCAN
Start	7344	End	9363
GI	none	Score	.53
Exons	7344..8191, 8304..9363		

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25666	Strand	+
Start	7344	End	9363
Name	OJ990920_03.9B24.C4.o6.np	Method	AAT/NAP
Start	7923	End	8866
GI	2792216	Score	160
Exons	7923..7988, 8045..8191, 8304..8866		
GI Descrip.	(AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25667	Strand	-
Start	1	End	908

Name	OJ990920_03.9B24.C4.o1.np	Method	AAT/NAP
Start	1	End	908
GI	6539570	Score	76
Exons	1..30, 754..908		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25668	Strand	-
Start	1323	End	5598
Name	OJ990920_03.9B24.C4.o3.np	Method	AAT/NAP
Start	1323	End	5598
GI	6815109	Score	96
Exons	1323..1371, 4606..5166, 5255..5598		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	12139	Seq. ID	OJ990920_03.9B24.C4
Gene No.	25669	Strand	-
Start	6259	End	6348
Name	OJ990920_03.9B24.C4.o4.np	Method	AAT/NAP
Start	6259	End	6348
GI	4680183	Score	120
Exons	6259..6348		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12140	Seq. ID	OJ990920_03.9B24.C5
Gene No.	25670	Strand	+
Start	1075	End	1198
Name	OJ990920_03.9B24.C5.o1.gs	Method	GENSCAN
Start	1075	End	1198
GI	none	Score	.48
Exons	1075..1198		

Seq. No.	12141	Seq. ID	OJ990920_03.9B24.C6
Gene No.	25671	Strand	+
Start	14	End	2523
Name	OJ990920_03.9B24.C6.o1.gs	Method	GENSCAN
Start	14	End	250
GI	none	Score	.53
Exons	14..250		

Seq. No.	12141	Seq. ID	OJ990920_03.9B24.C6
Gene No.	25671	Strand	+
Start	14	End	2523
Name	OJ990920_03.9B24.C6.o1.np	Method	AAT/NAP
Start	127	End	2523
GI	5922620	Score	381
Exons	127..330, 964..1141, 1313..1480, 1517..1600, 2394..2523		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12141	Seq. ID	OJ990920_03.9B24.C6
Gene No.	25672	Strand	-
Start	1070	End	5368
Name	OJ990920_03.9B24.C6.o2.gs	Method	GENSCAN

Start	1070	End	5368
GI	none	Score	.92
Exons	1070..1224, 1814..1873, 3056..3696, 4950..5290, 5297..5368		

Seq. No.	12141	Seq. ID	OJ990920_03.9B24.C6
Gene No.	25672	Strand	-
Start	1070	End	5368
Name	OJ990920_03.9B24.C6.o1.tm	Method	TBLASTX:Maize
Start	3114	End	3540
GI	none	Score	91
Exons	3114..3539, 3135..3503, 3184..3540		

Seq. No.	12141	Seq. ID	OJ990920_03.9B24.C6
Gene No.	25672	Strand	-
Start	1070	End	5368
Name	OJ990920_03.9B24.C6.o2.np	Method	AAT/NAP
Start	3210	End	3597
GI	4538896	Score	252
Exons	3210..3597		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	12142	Seq. ID	OJ990920_03.9B24.C7
Gene No.	25673	Strand	+
Start	982	End	1406
Name	OJ990920_03.9B24.C7.o1.gs	Method	GENSCAN
Start	982	End	1406
GI	none	Score	.59
Exons	982..1406		

Seq. No.	12142	Seq. ID	OJ990920_03.9B24.C7
Gene No.	25674	Strand	+
Start	2487	End	2875
Name	OJ990920_03.9B24.C7.o1.gp	Method	AAT/GAP
Start	2487	End	2875
GI	none	Score	729
Exons	2487..2875		

Seq. No.	12143	Seq. ID	OJ990920_03.9B24.C8
Gene No.	25675	Strand	+
Start	407	End	909
Name	OJ990920_03.9B24.C8.o1.gs	Method	GENSCAN
Start	407	End	909
GI	none	Score	.88
Exons	407..463, 651..792, 845..909		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o1.gp	Method	AAT/GAP
Start	1639	End	2790
GI	42931_1.R1084	Score	1020
Exons	1639..1890, 1998..2083, 2495..2641, 2734..2790		
GI Descrip.	'4587585/gb|AAD25813.1|AC007232_3 5.0e-47 (AC007232) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+

Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o1.gs	Method	GENSCAN
Start	1755	End	4753
GI	none	Score	.5
Exons	1755..1890, 1998..2083, 2495..2641, 2734..2842, 4114..4201, 4295..4568, 4652..4753		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o1.np	Method	AAT/NAP
Start	1782	End	4750
GI	4587585	Score	938
Exons	1782..1890, 1998..2083, 2495..2645, 4078..4193, 4398..4568, 4652..4750		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o1.tm	Method	TBLASTX:Maize
Start	1844	End	4755
GI	none	Score	78
Exons	1844..1894, 1845..1937, 1941..2042, 1972..2085, 1997..2083, 1997..2182, 2488..2634, 2489..2644, 2489..2638, 2493..2639, 2734..2877, 2734..2844, 2736..2849, 2741..2851, 4076..4201, 4080..4202, 4110..4202, 4292..4579, 4293..4568, 4421..4606, 4649..4753, 4649..4747, 4651..4755, 4651..4752		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o3.tc	Method	TBLASTX:Cress
Start	1845	End	2610
GI	none	Score	77
Exons	1845..1937, 1972..2085, 1997..2083, 2489..2608, 2489..2608, 2494..2610		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o1.ts	Method	TBLASTX:Soybean
Start	2555	End	4714
GI	none	Score	128
Exons	2555..2674, 2563..2652, 2733..2843, 2734..2877, 4076..4201, 4088..4198, 4110..4202, 4296..4358, 4296..4580, 4425..4568, 4642..4680, 4649..4681, 4685..4714		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o2.gp	Method	AAT/GAP
Start	4005	End	8275
GI	19004_1.R1084	Score	676
Exons	4005..4029, 5658..5785, 5808..5891, 7820..7894, 7999..8046, 8133..8275		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza		

sativa]'

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o2.tc	Method	TBLASTX:Cress
Start	4494	End	4756
GI	none	Score	131
Exons	4494..4568, 4494..4568, 4495..4569, 4496..4579, 4649..4681, 4651..4692, 4651..4680, 4657..4752, 4685..4756		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o1.tc	Method	TBLASTX:Cress
Start	5803	End	9043
GI	none	Score	128
Exons	5803..5832, 5808..5891, 5822..5893, 7999..8046, 8013..8051, 8123..8275, 8130..8276, 8172..8276, 8374..8454, 8381..8455, 8505..8600, 8536..8598, 8741..8857, 8749..8862, 8987..9043		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o2.tm	Method	TBLASTX:Maize
Start	5806	End	9104
GI	none	Score	124
Exons	5806..5835, 5808..5891, 5808..5891, 5822..5896, 7817..7894, 7819..7893, 7999..8046, 8013..8051, 8123..8239, 8123..8275, 8130..8276, 8172..8276, 8374..8454, 8381..8455, 8384..8455, 8385..8474, 8523..8624, 8536..8601, 8741..8857, 8746..8856, 8802..8897, 8990..9040, 8990..9049, 9072..9104		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o2.gs	Method	GENSCAN
Start	5808	End	9037
GI	none	Score	.73
Exons	5808..6116, 7820..7894, 7999..8046, 8133..8275, 8755..9037		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o2.np	Method	AAT/NAP
Start	5862	End	9034
GI	4835247	Score	619
Exons	5862..5891, 7820..7894, 7999..8046, 8133..8275, 8383..8455, 8539..8600, 8755..8852, 8889..9034		
GI Descrip.	(AL049862) putative tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	12144	Seq. ID	OJ990920_03.9B24.C11
Gene No.	25676	Strand	+
Start	1639	End	9104
Name	OJ990920_03.9B24.C11.o2.ts	Method	TBLASTX:Soybean
Start	8159	End	8857
GI	none	Score	209

Exons 8159..8275, 8160..8276, 8380..8454, 8381..8455, 8517..8600, 8536..8601, 8741..8857, 8741..8854, 8743..8856

Seq. No.	12145	Seq. ID	OJ990920_03.9B24.C12
Gene No.	25677	Strand	+
Start	890	End	2187
Name	OJ990920_03.9B24.C12.o1.gs	Method	GENSCAN
Start	890	End	2187
GI	none	Score	.75
Exons	890..939, 1010..1376, 1987..2187		

Seq. No.	12145	Seq. ID	OJ990920_03.9B24.C12
Gene No.	25677	Strand	+
Start	890	End	2187
Name	OJ990920_03.9B24.C12.o1.np	Method	AAT/NAP
Start	936	End	1328
GI	4220477	Score	120
Exons	936..1328		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	12145	Seq. ID	OJ990920_03.9B24.C12
Gene No.	25678	Strand	-
Start	2229	End	4379
Name	OJ990920_03.9B24.C12.o2.gs	Method	GENSCAN
Start	2229	End	4300
GI	none	Score	.73
Exons	2229..2561, 2691..2844, 2974..3005, 3219..3404, 3469..3593, 3612..3830, 3963..4097, 4282..4300		

Seq. No.	12145	Seq. ID	OJ990920_03.9B24.C12
Gene No.	25678	Strand	-
Start	2229	End	4379
Name	OJ990920_03.9B24.C12.o2.np	Method	AAT/NAP
Start	2232	End	4317
GI	6721561	Score	498
Exons	2232..3005, 3102..3144, 3212..3437, 4282..4317		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12145	Seq. ID	OJ990920_03.9B24.C12
Gene No.	25678	Strand	-
Start	2229	End	4379
Name	OJ990920_03.9B24.C12.o3.np	Method	AAT/NAP
Start	2452	End	4379
GI	6721558	Score	153
Exons	2452..2662, 3469..3593, 4282..4379		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	12145	Seq. ID	OJ990920_03.9B24.C12
Gene No.	25679	Strand	-
Start	4965	End	5330
Name	OJ990920_03.9B24.C12.o4.np	Method	AAT/NAP

Start	4965	End	5330
GI	6721512	Score	178
Exons	4965..5026, 5068..5201, 5229..5330		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12146	Seq. ID	OJ990920_03.9B24.C13
Gene No.	25680	Strand	-
Start	1	End	2344
Name	OJ990920_03.9B24.C13.o1.np	Method	AAT/NAP
Start	1	End	1873
GI	5042463	Score	120
Exons	1..25, 440..644, 1845..1873		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	12146	Seq. ID	OJ990920_03.9B24.C13
Gene No.	25680	Strand	-
Start	1	End	2344
Name	OJ990920_03.9B24.C13.o1.gs	Method	GENSCAN
Start	1045	End	2188
GI	none	Score	.8
Exons	1045..1167, 1909..2069, 2071..2188		

Seq. No.	12146	Seq. ID	OJ990920_03.9B24.C13
Gene No.	25680	Strand	-
Start	1	End	2344
Name	OJ990920_03.9B24.C13.o2.np	Method	AAT/NAP
Start	1069	End	2344
GI	6498434	Score	105
Exons	1069..1191, 2252..2344		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	12147	Seq. ID	OJ990920_03.9B24.C14
Gene No.	25681	Strand	-
Start	1	End	1095
Name	OJ990920_03.9B24.C14.o1.np	Method	AAT/NAP
Start	1	End	1095
GI	3702321	Score	155
Exons	1..135, 772..862, 966..1095		
GI Descrip.	(AC005397) eukaryotic translation initiation factor 3 delta subunit [Arabidopsis thaliana]		

Seq. No.	12147	Seq. ID	OJ990920_03.9B24.C14
Gene No.	25681	Strand	-
Start	1	End	1095
Name	OJ990920_03.9B24.C14.o1.gs	Method	GENSCAN
Start	49	End	135
GI	none	Score	.59
Exons	49..135		

Seq. No.	12148	Seq. ID	OJ990920_03.9B24.C16
Gene No.	25682	Strand	-
Start	1	End	1449
Name	OJ990920_03.9B24.C16.o1.np	Method	AAT/NAP
Start	1	End	1449
GI	3702321	Score	152
Exons	1..172, 692..794, 888..1013, 1402..1449		
GI Descrip.	(AC005397) eukaryotic translation initiation factor 3 delta		

subunit [Arabidopsis thaliana]

Seq. No.	12148	Seq. ID	OJ990920_03.9B24.C16
Gene No.	25682	Strand	-
Start	1	End	1449
Name	OJ990920_03.9B24.C16.o1.gs	Method	GENSCAN
Start	944	End	1066
GI	none	Score	.48
Exons	944..1066		

Seq. No.	12149	Seq. ID	OJ990920_03.9B24.C17
Gene No.	25683	Strand	-
Start	1	End	9240
Name	OJ990920_03.9B24.C17.o1.np	Method	AAT/NAP
Start	1	End	4821
GI	6721547	Score	211
Exons	1..27, 1225..1780, 1808..2769, 4783..4821		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12149	Seq. ID	OJ990920_03.9B24.C17
Gene No.	25683	Strand	-
Start	1	End	9240
Name	OJ990920_03.9B24.C17.o1.gs	Method	GENSCAN
Start	779	End	9240
GI	none	Score	.61
Exons	779..3020, 3487..3604, 3672..3962, 4020..4156, 7668..8539, 9184..9240		

Seq. No.	12149	Seq. ID	OJ990920_03.9B24.C17
Gene No.	25683	Strand	-
Start	1	End	9240
Name	OJ990920_03.9B24.C17.o1.tw	Method	TBLASTX:Wheat
Start	1739	End	2110
GI	none	Score	108
Exons	1739..1888, 1793..1984, 1805..1978, 1958..2059, 1972..2061, 2063..2110		

Seq. No.	12149	Seq. ID	OJ990920_03.9B24.C17
Gene No.	25683	Strand	-
Start	1	End	9240
Name	OJ990920_03.9B24.C17.o2.np	Method	AAT/NAP
Start	2396	End	7891
GI	2792216	Score	327
Exons	2396..2600, 2641..3020, 7668..7891		
GI Descrip.	(AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	12150	Seq. ID	OJ990920_03.9B24.C22
Gene No.	25684	Strand	+
Start	1	End	98
Name	OJ990920_03.9B24.C22.o1.gp	Method	AAT/GAP
Start	1	End	98
GI	2309677	Score	196
Exons	1..98		

Seq. No.	12150	Seq. ID	OJ990920_03.9B24.C22
Gene No.	25685	Strand	+
Start	22	End	479

Name	OJ990920_03.9B24.C22.o1.gs	Method	GENSCAN
Start	22	End	479
GI	none	Score	.98
Exons	22..479		

Seq. No.	12151	Seq. ID	OJ990920_03.9B24.C23
Gene No.	25686	Strand	+
Start	1	End	737
Name	OJ990920_03.9B24.C23.o1.np	Method	AAT/NAP
Start	1	End	594
GI	553073	Score	584
Exons	1..594		
GI Descrip.	(M94481) reverse transcriptase [Zea mays]		

Seq. No.	12151	Seq. ID	OJ990920_03.9B24.C23
Gene No.	25686	Strand	+
Start	1	End	737
Name	OJ990920_03.9B24.C23.o2.tw	Method	TBLASTX:Wheat
Start	2	End	152
GI	none	Score	167
Exons	2..151, 9..152		

Seq. No.	12151	Seq. ID	OJ990920_03.9B24.C23
Gene No.	25686	Strand	+
Start	1	End	737
Name	OJ990920_03.9B24.C23.o1.tm	Method	TBLASTX:Maize
Start	9	End	377
GI	none	Score	423
Exons	9..377, 9..233, 11..373, 294..377		

Seq. No.	12151	Seq. ID	OJ990920_03.9B24.C23
Gene No.	25686	Strand	+
Start	1	End	737
Name	OJ990920_03.9B24.C23.o1.ts	Method	TBLASTX:Soybean
Start	12	End	274
GI	none	Score	59
Exons	12..71, 93..269, 95..274		

Seq. No.	12151	Seq. ID	OJ990920_03.9B24.C23
Gene No.	25686	Strand	+
Start	1	End	737
Name	OJ990920_03.9B24.C23.o1.gs	Method	GENSCAN
Start	42	End	679
GI	none	Score	.71
Exons	42..307, 549..679		

Seq. No.	12151	Seq. ID	OJ990920_03.9B24.C23
Gene No.	25686	Strand	+
Start	1	End	737
Name	OJ990920_03.9B24.C23.o1.tw	Method	TBLASTX:Wheat
Start	357	End	725
GI	none	Score	43
Exons	357..383, 418..498, 422..514, 519..602, 535..603, 627..725		

Seq. No.	12151	Seq. ID	OJ990920_03.9B24.C23
Gene No.	25686	Strand	+
Start	1	End	737

Name	OJ990920_03.9B24.C23.o2.tm	Method	TBLASTX:Maize
Start	400	End	737
GI	none	Score	107
Exons	400..522, 416..523, 522..599, 523..600, 624..737, 624..710		

Seq. No.	12152	Seq. ID	OJ990920_03.9B24.C24
Gene No.	25687	Strand	-
Start	50	End	345
Name	OJ990920_03.9B24.C24.o1.gs	Method	GENSCAN
Start	50	End	345
GI	none	Score	.68
Exons	50..95, 185..345		

Seq. No.	12153	Seq. ID	OJ990920_03.9B24.C28
Gene No.	25688	Strand	-
Start	425	End	554
Name	OJ990920_03.9B24.C28.o1.gp	Method	AAT/GAP
Start	425	End	554
GI	25175_1.R1084	Score	214
Exons	425..554		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25689	Strand	-
Start	1	End	2619
Name	OJ990920_03.9B24.C29.o1.np	Method	AAT/NAP
Start	1	End	2604
GI	1575556	Score	1722
Exons	1..829, 1130..1245, 2147..2604		
GI Descrip.	(U66299) acyl-CoA oxidase homolog [Phalaenopsis sp. 'True Lady']		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25689	Strand	-
Start	1	End	2619
Name	OJ990920_03.9B24.C29.o1.gs	Method	GENSCAN
Start	39	End	2619
GI	none	Score	.94
Exons	39..829, 1130..1245, 2147..2619		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25690	Strand	-
Start	5497	End	6051
Name	OJ990920_03.9B24.C29.o2.tm	Method	TBLASTX:Maize
Start	1	End	236
GI	none	Score	94
Exons	1..60, 1..51, 2..58, 3..59, 57..236, 79..234		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25690	Strand	-
Start	5497	End	6051
Name	OJ990920_03.9B24.C29.o1.tc	Method	TBLASTX:Cress
Start	2	End	2407
GI	none	Score	44
Exons	2..58, 9..59, 57..647, 70..645, 654..830, 673..831, 1129..1254, 1140..1247, 2147..2407, 2149..2391		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25690	Strand	-
Start	5497	End	6051
Name	OJ990920_03.9B24.C29.o1.ts	Method	TBLASTX:Soybean
Start	171	End	831
GI	none	Score	174
Exons	171..287, 294..590, 295..585, 594..647, 657..830, 691..831		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25690	Strand	-
Start	5497	End	6051
Name	OJ990920_03.9B24.C29.o3.tm	Method	TBLASTX:Maize
Start	285	End	446
GI	none	Score	98
Exons	285..446, 286..414, 288..443		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25690	Strand	-
Start	5497	End	6051
Name	OJ990920_03.9B24.C29.o1.tm	Method	TBLASTX:Maize
Start	447	End	2230
GI	none	Score	391
Exons	447..830, 447..830, 448..831, 1129..1251, 1140..1247, 2125..2220, 2147..2230, 2149..2229		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25690	Strand	-
Start	5497	End	6051
Name	OJ990920_03.9B24.C29.o2.ts	Method	TBLASTX:Soybean
Start	2158	End	2398
GI	none	Score	167
Exons	2158..2391, 2159..2398		

Seq. No.	12154	Seq. ID	OJ990920_03.9B24.C29
Gene No.	25690	Strand	-
Start	5497	End	6051
Name	OJ990920_03.9B24.C29.o2.gs	Method	GENSCAN
Start	5497	End	6051
GI	none	Score	.58
Exons	5497..6051		

Seq. No.	12155	Seq. ID	OJ990920_03.9B24.C30
Gene No.	25691	Strand	+
Start	44	End	194
Name	OJ990920_03.9B24.C30.o1.gs	Method	GENSCAN
Start	44	End	194
GI	none	Score	.82
Exons	44..131, 190..194		

Seq. No.	12156	Seq. ID	OJ990920_03.9B24.C31
Gene No.	25692	Strand	-
Start	49	End	1126
Name	OJ990920_03.9B24.C31.o1.gs	Method	GENSCAN
Start	49	End	1126
GI	none	Score	.43
Exons	49..170, 240..1126		

Seq. No.	12156	Seq. ID	OJ990920_03.9B24.C31
Gene No.	25692	Strand	-
Start	49	End	1126
Name	OJ990920_03.9B24.C31.o1.tw	Method	TBLASTX:Wheat
Start	594	End	1088
GI	none	Score	102
Exons	594..743, 646..771, 646..765, 648..812, 785..964, 785..943, 786..989, 948..1019, 949..1002, 1004..1087, 1008..1088		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25693	Strand	+
Start	1	End	2615
Name	OJ990920_03.9B24.C32.o2.np	Method	AAT/NAP
Start	1	End	2615
GI	4493973	Score	61
Exons	1..23, 1765..1946, 2590..2615		
GI Descrip.	(AL034559) predicted using hexExon; MAL3P7.14 (PFC0925w), Hypothetical protein, len: 489 aa [Plasmodium falciparum]		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25694	Strand	+
Start	3805	End	6518
Name	OJ990920_03.9B24.C32.o3.np	Method	AAT/NAP
Start	3805	End	6518
GI	6721547	Score	542
Exons	3805..4058, 4909..6009, 6115..6518		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25695	Strand	-
Start	1	End	1035
Name	OJ990920_03.9B24.C32.o1.np	Method	AAT/NAP
Start	1	End	678
GI	2792214	Score	145
Exons	1..360, 532..678		
GI Descrip.	(AF032685) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25695	Strand	-
Start	1	End	1035
Name	OJ990920_03.9B24.C32.o1.gs	Method	GENSCAN
Start	167	End	1035
GI	none	Score	.84
Exons	167..289, 419..1035		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25696	Strand	-
Start	8525	End	11963
Name	OJ990920_03.9B24.C32.o1.tc	Method	TBLASTX:Cress
Start	613	End	5490
GI	none	Score	61
Exons	613..702, 5005..5070, 5140..5298, 5173..5298, 5317..5490, 5329..5478		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25696	Strand	-
Start	8525	End	11963

Name	OJ990920_03.9B24.C32.o2.tm	Method	TBLASTX:Maize
Start	3246	End	3629
GI	none	Score	124
Exons	3246..3368, 3263..3364, 3323..3409, 3363..3629, 3485..3622		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25696	Strand	-
Start	8525	End	11963
Name	OJ990920_03.9B24.C32.o1.ts	Method	TBLASTX:Soybean
Start	4792	End	11739
GI	none	Score	74
Exons	4792..4884, 5005..5064, 5158..5304, 5305..5478, 5710..5901, 10576..10758, 11443..11550, 11551..11739		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25696	Strand	-
Start	8525	End	11963
Name	OJ990920_03.9B24.C32.o1.tw	Method	TBLASTX:Wheat
Start	5263	End	5724
GI	none	Score	203
Exons	5263..5487, 5272..5493, 5523..5546, 5524..5724, 5652..5699		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25696	Strand	-
Start	8525	End	11963
Name	OJ990920_03.9B24.C32.o1.tm	Method	TBLASTX:Maize
Start	5368	End	11040
GI	none	Score	94
Exons	5368..5502, 5370..5501, 5374..5694, 5430..5699, 5701..5829, 5721..5798, 10729..10851, 10843..11040		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25696	Strand	-
Start	8525	End	11963
Name	OJ990920_03.9B24.C32.o2.tw	Method	TBLASTX:Wheat
Start	5740	End	10959
GI	none	Score	97
Exons	5740..5880, 10649..10828, 10651..10824, 10651..10854, 10662..10829, 10813..10959, 10829..10954		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25696	Strand	-
Start	8525	End	11963
Name	OJ990920_03.9B24.C32.o3.gs	Method	GENSCAN
Start	8525	End	11963
GI	none	Score	.95
Exons	8525..8655, 9726..11770, 11902..11963		

Seq. No.	12157	Seq. ID	OJ990920_03.9B24.C32
Gene No.	25696	Strand	-
Start	8525	End	11963
Name	OJ990920_03.9B24.C32.o3.tm	Method	TBLASTX:Maize
Start	9883	End	10144
GI	none	Score	123
Exons	9883..10140, 9883..10143, 9980..10144		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33

Gene No.	25697	Strand	+
Start	37	End	11943
Name	OJ990920_03.9B24.C33.o2.np	Method	AAT/NAP
Start	37	End	11943
GI	4680207	Score	583
Exons	37..147, 1663..1808, 6125..6685, 6715..7012, 11041..11341, 11679..11943		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25697	Strand	+
Start	37	End	11943
Name	OJ990920_03.9B24.C33.o2.gs	Method	GENSCAN
Start	4000	End	11355
GI	none	Score	.67
Exons	4000..4327, 4605..4707, 4729..4744, 6102..6872, 6883..7049, 8762..8870, 9271..9449, 10959..11355		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25697	Strand	+
Start	37	End	11943
Name	OJ990920_03.9B24.C33.o1.gp	Method	AAT/GAP
Start	9826	End	10073
GI	uC-osf1M2020117c09a1	Score	326
Exons	9826..10073		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 6.0e-65 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25698	Strand	-
Start	1	End	2432
Name	OJ990920_03.9B24.C33.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	4234852	Score	1596
Exons	1..1732, 1769..1912		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25698	Strand	-
Start	1	End	2432
Name	OJ990920_03.9B24.C33.o1.tw	Method	TBLASTX:Wheat
Start	1	End	388
GI	none	Score	53
Exons	1..111, 2..64, 151..228, 152..214, 225..344, 314..388		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25698	Strand	-
Start	1	End	2432
Name	OJ990920_03.9B24.C33.o1.gs	Method	GENSCAN
Start	211	End	2432
GI	none	Score	.45
Exons	211..292, 581..988, 1063..1368, 1756..1860, 2237..2432		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25698	Strand	-
Start	1	End	2432

Name	OJ990920_03.9B24.C33.o1.ts	Method	TBLASTX:Soybean
Start	222	End	558
GI	none	Score	59
Exons	222..302, 330..413, 344..403, 399..557, 400..558		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25698	Strand	-
Start	1	End	2432
Name	OJ990920_03.9B24.C33.o2.tw	Method	TBLASTX:Wheat
Start	663	End	1010
GI	none	Score	193
Exons	663..1010		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25698	Strand	-
Start	1	End	2432
Name	OJ990920_03.9B24.C33.o1.tm	Method	TBLASTX:Maize
Start	804	End	1819
GI	none	Score	67
Exons	804..869, 810..869, 859..951, 873..965, 879..959, 1064..1156, 1074..1154, 1244..1270, 1255..1383, 1271..1819, 1278..1817		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25699	Strand	
Start	6216	End	6726
Name	OJ990920_03.9B24.C33.o2.tm	Method	TBLASTX:Maize
Start	6216	End	6726
GI	none	Score	97
Exons	6216..6311, 6233..6331, 6373..6693, 6507..6608, 6683..6721, 6688..6726		

Seq. No.	12158	Seq. ID	OJ990920_03.9B24.C33
Gene No.	25700	Strand	
Start	10999	End	11920
Name	OJ990920_03.9B24.C33.o2.ts	Method	TBLASTX:Soybean
Start	10999	End	11920
GI	none	Score	101
Exons	10999..11181, 11179..11343, 11220..11276, 11702..11842, 11858..11920		

Seq. No.	12159	Seq. ID	OJ990920_03.9B24.C34
Gene No.	25701	Strand	+
Start	2095	End	3281
Name	OJ990920_03.9B24.C34.o1.np	Method	AAT/NAP
Start	2095	End	3281
GI	6815062	Score	1096
Exons	2095..3281		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	12159	Seq. ID	OJ990920_03.9B24.C34
Gene No.	25701	Strand	+
Start	2095	End	3281
Name	OJ990920_03.9B24.C34.o1.tm	Method	TBLASTX:Maize
Start	2136	End	2703
GI	none	Score	35

Exons	2136..2198, 2137..2286, 2313..2660, 2313..2681, 2314..2703		
Seq. No.	12159	Seq. ID	OJ990920_03.9B24.C34
Gene No.	25701	Strand	+
Start	2095	End	3281
Name	OJ990920_03.9B24.C34.o2.tm	Method	TBLASTX:Maize
Start	2830	End	3108
GI	none	Score	186
Exons	2830..3108, 2886..3011		
Seq. No.	12160	Seq. ID	OJ990920_03.9B24.C35
Gene No.	25702	Strand	+
Start	324	End	573
Name	OJ990920_03.9B24.C35.o1.gs	Method	GENSCAN
Start	324	End	573
GI	none	Score	.54
Exons	324..413, 505..573		
Seq. No.	12160	Seq. ID	OJ990920_03.9B24.C35
Gene No.	25703	Strand	+
Start	3830	End	3941
Name	OJ990920_03.9B24.C35.o2.gp	Method	AAT/GAP
Start	3830	End	3941
GI	uC-osflcyp088b12b1	Score	146
Exons	3830..3941		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	12160	Seq. ID	OJ990920_03.9B24.C35
Gene No.	25704	Strand	-
Start	968	End	3825
Name	OJ990920_03.9B24.C35.o1.np	Method	AAT/NAP
Start	968	End	3804
GI	6815109	Score	487
Exons	968..1692, 1825..2417, 3715..3804		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	12160	Seq. ID	OJ990920_03.9B24.C35
Gene No.	25704	Strand	-
Start	968	End	3825
Name	OJ990920_03.9B24.C35.o2.np	Method	AAT/NAP
Start	3111	End	3235
GI	4680183	Score	137
Exons	3111..3235		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	12160	Seq. ID	OJ990920_03.9B24.C35
Gene No.	25704	Strand	-
Start	968	End	3825
Name	OJ990920_03.9B24.C35.o3.gs	Method	GENSCAN
Start	3201	End	3825
GI	none	Score	.54
Exons	3201..3332, 3547..3594, 3715..3825		
Seq. No.	12161	Seq. ID	OJ990920_03.9B24.C36
Gene No.	25705	Strand	+
Start	1	End	1212

Name	OJ990920_03.9B24.C36.o1.np	Method	AAT/NAP
Start	1	End	1212
GI	6815062	Score	155
Exons	1..71, 147..245, 315..365, 472..651, 1144..1212		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	12161	Seq. ID	OJ990920_03.9B24.C36
Gene No.	25705	Strand	+
Start	1	End	1212
Name	OJ990920_03.9B24.C36.o1.gs	Method	GENSCAN
Start	147	End	688
GI	none	Score	.65
Exons	147..245, 315..688		

Seq. No.	12162	Seq. ID	OJ990920_08.9B23.C1
Gene No.	25706	Strand	+
Start	1043	End	6352
Name	OJ990920_08.9B23.C1.o1.np	Method	AAT/NAP
Start	1043	End	6352
GI	81286	Score	82
Exons	1043..1098, 3175..3410, 4539..4709, 5607..5780, 6310..6352		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	12163	Seq. ID	OJ990920_08.9B23.C3
Gene No.	25707	Strand	-
Start	1	End	698
Name	OJ990920_08.9B23.C3.o1.np	Method	AAT/NAP
Start	1	End	698
GI	5091513	Score	1016
Exons	1..698		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12163	Seq. ID	OJ990920_08.9B23.C3
Gene No.	25707	Strand	-
Start	1	End	698
Name	OJ990920_08.9B23.C3.o1.gs	Method	GENSCAN
Start	57	End	644
GI	none	Score	.81
Exons	57..644		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25708	Strand	+
Start	7576	End	13809
Name	OJ990920_08.9B23.C4.o4.gs	Method	GENSCAN
Start	7576	End	13075
GI	none	Score	.84
Exons	7576..7659, 8325..8494, 9278..9526, 10119..10495, 10588..10637, 12905..13075		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25708	Strand	+
Start	7576	End	13809
Name	OJ990920_08.9B23.C4.o3.np	Method	AAT/NAP
Start	8396	End	10114

GI	6721512	Score	72
Exons	8396..8498, 10065..10114		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25708	Strand	+
Start	7576	End	13809
Name	OJ990920_08.9B23.C4.o4.np	Method	AAT/NAP
Start	10319	End	13809
GI	5257262	Score	178
Exons	10319..10637, 12019..12275, 12908..13178, 13727..13809		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25709	Strand	+
Start	14853	End	15101
Name	OJ990920_08.9B23.C4.o2.gp	Method	AAT/GAP
Start	14853	End	15101
GI	3761181	Score	401
Exons	14853..15101		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25710	Strand	+
Start	15408	End	17982
Name	OJ990920_08.9B23.C4.o5.gs	Method	GENSCAN
Start	15408	End	17982
GI	none	Score	.47
Exons	15408..15614, 16021..16337, 17147..17524, 17551..17605, 17620..17982		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25711	Strand	+
Start	19627	End	28480
Name	OJ990920_08.9B23.C4.o6.gs	Method	GENSCAN
Start	19627	End	28480
GI	none	Score	.6
Exons	19627..19686, 21228..21324, 21952..22072, 22331..23153, 23216..23455, 24759..24926, 25488..26221, 26286..26394, 27018..27141, 27286..27339, 28320..28480		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25711	Strand	+
Start	19627	End	28480
Name	OJ990920_08.9B23.C4.o5.np	Method	AAT/NAP
Start	24756	End	27998
GI	3645899	Score	2372
Exons	24756..26266, 26303..27998		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25712	Strand	-
Start	1	End	8358
Name	OJ990920_08.9B23.C4.o1.np	Method	AAT/NAP
Start	1	End	3840
GI	5091513	Score	1923

Exons	1..24, 270..398, 507..586, 1513..2282, 2938..3840		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25712	Strand	-
Start	1	End	8358
Name	OJ990920_08.9B23.C4.o1.gs	Method	GENSCAN
Start	888	End	2081
GI	none	Score	.68
Exons	888..1216, 1370..1617, 1840..2081		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25712	Strand	-
Start	1	End	8358
Name	OJ990920_08.9B23.C4.o2.np	Method	AAT/NAP
Start	2365	End	8358
GI	4680207	Score	309
Exons	2365..2463, 5483..6235, 7914..7970, 8228..8358		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25712	Strand	-
Start	1	End	8358
Name	OJ990920_08.9B23.C4.o2.gs	Method	GENSCAN
Start	3098	End	3859
GI	none	Score	.85
Exons	3098..3859		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25712	Strand	-
Start	1	End	8358
Name	OJ990920_08.9B23.C4.o3.gs	Method	GENSCAN
Start	4773	End	6516
GI	none	Score	.51
Exons	4773..4936, 5030..5090, 5483..6230, 6308..6516		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25712	Strand	-
Start	1	End	8358
Name	OJ990920_08.9B23.C4.o1.gp	Method	AAT/GAP
Start	5121	End	5367
GI	3761181	Score	440
Exons	5121..5367		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25713	Strand	-
Start	16383	End	16651
Name	OJ990920_08.9B23.C4.o3.gp	Method	AAT/GAP
Start	16383	End	16651
GI	uC-osflcyp053f07a1	Score	337
Exons	16383..16651		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25714	Strand	-
Start	20354	End	20459
Name	OJ990920_08.9B23.C4.o4.tm	Method	TBLASTX:Maize
Start	5642	End	6094
GI	none	Score	138
Exons	5642..5887, 5912..6094		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25714	Strand	-
Start	20354	End	20459
Name	OJ990920_08.9B23.C4.o4.gp	Method	AAT/GAP
Start	20354	End	20459
GI	5816518	Score	159
Exons	20354..20459		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25715	Strand	
Start	25185	End	26042
Name	OJ990920_08.9B23.C4.o2.tw	Method	TBLASTX:Wheat
Start	25185	End	25739
GI	none	Score	99
Exons	25185..25391, 25455..25739, 25565..25738		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25715	Strand	
Start	25185	End	26042
Name	OJ990920_08.9B23.C4.o2.tm	Method	TBLASTX:Maize
Start	25407	End	26042
GI	none	Score	66
Exons	25407..25472, 25412..25474, 25473..25895, 25559..25894, 25890..26042		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25715	Strand	
Start	25185	End	26042
Name	OJ990920_08.9B23.C4.o3.ts	Method	TBLASTX:Soybean
Start	25581	End	26042
GI	none	Score	243
Exons	25581..25892, 25598..25885, 25914..26042		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25715	Strand	
Start	25185	End	26042
Name	OJ990920_08.9B23.C4.o1.tc	Method	TBLASTX:Cress
Start	25598	End	26041
GI	none	Score	172
Exons	25598..25684, 25599..25889, 25904..26041, 25905..26036		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25716	Strand	
Start	26421	End	27068
Name	OJ990920_08.9B23.C4.o1.ts	Method	TBLASTX:Soybean
Start	26421	End	26971
GI	5509260	Score	650

Exons	26421..26660, 26430..26966, 26447..26971		
GI Descrip.	-		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25716	Strand	
Start	26421	End	27068
Name	OJ990920_08.9B23.C4.o1.tw	Method	TBLASTX:Wheat
Start	26487	End	26963
GI	none	Score	76
Exons	26487..26576, 26487..26570, 26556..26957, 26616..26744, 26618..26755, 26777..26947, 26784..26963, 26785..26958		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25716	Strand	
Start	26421	End	27068
Name	OJ990920_08.9B23.C4.o2.tc	Method	TBLASTX:Cress
Start	26591	End	26852
GI	none	Score	230
Exons	26591..26851, 26592..26852		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25716	Strand	
Start	26421	End	27068
Name	OJ990920_08.9B23.C4.o3.tm	Method	TBLASTX:Maize
Start	26633	End	27068
GI	none	Score	488
Exons	26633..27007, 26634..27068, 26661..27059		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25717	Strand	
Start	27140	End	28010
Name	OJ990920_08.9B23.C4.o5.tm	Method	TBLASTX:Maize
Start	27140	End	27323
GI	none	Score	189
Exons	27140..27277, 27141..27323, 27153..27323		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25717	Strand	
Start	27140	End	28010
Name	OJ990920_08.9B23.C4.o3.tw	Method	TBLASTX:Wheat
Start	27147	End	27578
GI	none	Score	105
Exons	27147..27296, 27321..27578		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25717	Strand	
Start	27140	End	28010
Name	OJ990920_08.9B23.C4.o1.tm	Method	TBLASTX:Maize
Start	27324	End	27980
GI	none	Score	709
Exons	27324..27980, 27332..27838, 27564..27965		
Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25717	Strand	
Start	27140	End	28010
Name	OJ990920_08.9B23.C4.o2.ts	Method	TBLASTX:Soybean
Start	27342	End	28010

GI	none	Score	263
Exons	27342..27731, 27533..27688, 27750..28010, 27764..27835		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25717	Strand	
Start	27140	End	28010
Name	OJ990920_08.9B23.C4.o3.tc	Method	TBLASTX:Cress
Start	27615	End	27980
GI	none	Score	89
Exons	27615..27746, 27735..27980		

Seq. No.	12164	Seq. ID	OJ990920_08.9B23.C4
Gene No.	25717	Strand	
Start	27140	End	28010
Name	OJ990920_08.9B23.C4.o4.tw	Method	TBLASTX:Wheat
Start	27615	End	27935
GI	none	Score	96
Exons	27615..27740, 27744..27935, 27759..27935		

Seq. No.	12165	Seq. ID	OJ990920_08.9B23.C5
Gene No.	25718	Strand	+
Start	1	End	584
Name	OJ990920_08.9B23.C5.o1.np	Method	AAT/NAP
Start	1	End	245
GI	6539588	Score	190
Exons	1..245		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	12165	Seq. ID	OJ990920_08.9B23.C5
Gene No.	25718	Strand	+
Start	1	End	584
Name	OJ990920_08.9B23.C5.o1.gs	Method	GENSCAN
Start	71	End	584
GI	none	Score	.67
Exons	71..258, 424..584		

Seq. No.	12166	Seq. ID	OJ990920_08.9B23.C6
Gene No.	25719	Strand	+
Start	2764	End	4430
Name	OJ990920_08.9B23.C6.o1.np	Method	AAT/NAP
Start	2764	End	4430
GI	6907086	Score	1116
Exons	2764..3545, 3606..3851, 4082..4430		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12166	Seq. ID	OJ990920_08.9B23.C6
Gene No.	25720	Strand	+
Start	4899	End	6575
Name	OJ990920_08.9B23.C6.o2.np	Method	AAT/NAP
Start	4899	End	6575
GI	6539588	Score	186
Exons	4899..5198, 6547..6575		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25721	Strand	+
Start	2232	End	2391

Name	OJ990920_08.9B23.C8.o1.gp	Method	AAT/GAP
Start	2232	End	2391
GI	20688_1.R1084	Score	252
Exons	2232..2391		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25722	Strand	+
Start	9616	End	10009
Name	OJ990920_08.9B23.C8.o3.np	Method	AAT/NAP
Start	9616	End	10009
GI	4416302	Score	134
Exons	9616..10009		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o1.np	Method	AAT/NAP
Start	1	End	3956
GI	4680207	Score	382
Exons	1..48, 944..1766, 3743..3805, 3919..3956		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o1.gs	Method	GENSCAN
Start	600	End	1764
GI	none	Score	.44
Exons	600..679, 1209..1764		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o2.np	Method	AAT/NAP
Start	2674	End	6870
GI	5295971	Score	3507
Exons	2674..5933, 5961..6870		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o2.ts	Method	TBLASTX:Soybean
Start	2699	End	3349
GI	none	Score	81
Exons	2699..3178, 2756..3016, 2979..3176, 3179..3349		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o1.tc	Method	TBLASTX:Cress

Start	2705	End	3380
GI	none	Score	42
Exons	2705..2959, 2748..2906, 2957..3073, 2979..3065, 3078..3149, 3083..3379, 3255..3380		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o6.tm	Method	TBLASTX:Maize
Start	2711	End	2956
GI	none	Score	238
Exons	2711..2956		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o3.tw	Method	TBLASTX:Wheat
Start	2744	End	3157
GI	none	Score	67
Exons	2744..2917, 2954..3157, 2982..3053		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o2.gs	Method	GENSCAN
Start	2861	End	7332
GI	none	Score	.82
Exons	2861..4832, 4925..6920, 7203..7332		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o1.tm	Method	TBLASTX:Maize
Start	2957	End	3409
GI	none	Score	261
Exons	2957..3409, 2985..3404, 3227..3406		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o5.tw	Method	TBLASTX:Wheat
Start	3197	End	3517
GI	none	Score	66
Exons	3197..3370, 3389..3517		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o5.tm	Method	TBLASTX:Maize
Start	3485	End	3877
GI	none	Score	87
Exons	3485..3877, 3750..3875		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o1.tw	Method	TBLASTX:Wheat

Start	3518	End	4058
GI	none	Score	65
Exons	3518..3721, 3710..4057, 3831..3902, 3927..4058		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o1.ts	Method	TBLASTX:Soybean
Start	3725	End	4192
GI	5509260	Score	222
Exons	3725..4192, 3750..4130		
GI Descrip.	-		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o3.tc	Method	TBLASTX:Cress
Start	3839	End	4114
GI	none	Score	87
Exons	3839..4114, 3966..4100		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o3.tm	Method	TBLASTX:Maize
Start	3878	End	4199
GI	none	Score	252
Exons	3878..4189, 3879..4199		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o3.ts	Method	TBLASTX:Soybean
Start	4556	End	5041
GI	none	Score	70
Exons	4556..5041, 4562..4876, 4746..5012		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o2.tc	Method	TBLASTX:Cress
Start	4580	End	5023
GI	none	Score	261
Exons	4580..5023		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o2.tm	Method	TBLASTX:Maize
Start	4643	End	5048
GI	none	Score	230
Exons	4643..4714, 4727..5047, 4737..5048		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o4.tw	Method	TBLASTX:Wheat

Start	4715	End	5048
GI	none	Score	66
Exons	4715..4804, 4814..5047, 4824..5048		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o4.ts	Method	TBLASTX:Soybean
Start	5134	End	5409
GI	none	Score	194
Exons	5134..5409, 5233..5313		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o2.tw	Method	TBLASTX:Wheat
Start	5353	End	9732
GI	none	Score	108
Exons	5353..5433, 5431..5715, 5434..5799, 5570..5758, 9664..9732		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o4.tm	Method	TBLASTX:Maize
Start	5413	End	5883
GI	none	Score	76
Exons	5413..5568, 5488..5718, 5591..5821, 5602..5820, 5797..5883		

Seq. No.	12167	Seq. ID	OJ990920_08.9B23.C8
Gene No.	25723	Strand	-
Start	1	End	9732
Name	OJ990920_08.9B23.C8.o7.tm	Method	TBLASTX:Maize
Start	6631	End	6876
GI	none	Score	83
Exons	6631..6876, 6712..6831		

Seq. No.	12168	Seq. ID	OJ990920_08.9B23.C9
Gene No.	25724	Strand	+
Start	1	End	999
Name	OJ990920_08.9B23.C9.o1.np	Method	AAT/NAP
Start	1	End	999
GI	5091513	Score	705
Exons	1..53, 358..999		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12168	Seq. ID	OJ990920_08.9B23.C9
Gene No.	25724	Strand	+
Start	1	End	999
Name	OJ990920_08.9B23.C9.o1.gs	Method	GENSCAN
Start	332	End	897
GI	none	Score	.89
Exons	332..897		

Seq. No.	12169	Seq. ID	OJ990920_08.9B23.C10
Gene No.	25725	Strand	+
Start	486	End	1137
Name	OJ990920_08.9B23.C10.o1.gs	Method	GENSCAN

Start	486	End	1137
GI	none	Score	.84
Exons	486..559, 964..1137		

Seq. No.	12169	Seq. ID	OJ990920_08.9B23.C10
Gene No.	25725	Strand	+
Start	486	End	1137
Name	OJ990920_08.9B23.C10.o1.gp	Method	AAT/GAP
Start	688	End	933
GI	3761181	Score	413
Exons	688..933		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	12170	Seq. ID	OJ990920_08.9B23.C11
Gene No.	25726	Strand	+
Start	1	End	697
Name	OJ990920_08.9B23.C11.o1.np	Method	AAT/NAP
Start	1	End	697
GI	4680207	Score	121
Exons	1..697		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	12170	Seq. ID	OJ990920_08.9B23.C11
Gene No.	25727	Strand	-
Start	1954	End	2108
Name	OJ990920_08.9B23.C11.o2.gs	Method	GENSCAN
Start	1954	End	2108
GI	none	Score	.65
Exons	1954..2108		

Seq. No.	12171	Seq. ID	OJ990920_08.9B23.C13
Gene No.	25728	Strand	+
Start	1	End	227
Name	OJ990920_08.9B23.C13.o1.np	Method	AAT/NAP
Start	1	End	227
GI	4680207	Score	116
Exons	1..227		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	12172	Seq. ID	OJ990710_45.9C17.C3
Gene No.	25729	Strand	-
Start	98	End	227
Name	OJ990710_45.9C17.C3.o1.gs	Method	GENSCAN
Start	98	End	227
GI	none	Score	.75
Exons	98..227		

Seq. No.	12173	Seq. ID	OJ990710_45.9C17.C4
Gene No.	25730	Strand	-
Start	1	End	3041
Name	OJ990710_45.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	944
GI	4680203	Score	958
Exons	1..944		

GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	12173	Seq. ID	OJ990710_45.9C17.C4
Gene No.	25730	Strand	-
Start	1	End	3041
Name	OJ990710_45.9C17.C4.o1.gs	Method	GENSCAN
Start	168	End	3041
GI	none	Score	.91
Exons	168..649, 667..949, 2964..3041		
Seq. No.	12173	Seq. ID	OJ990710_45.9C17.C4
Gene No.	25730	Strand	-
Start	1	End	3041
Name	OJ990710_45.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	216	End	456
GI	none	Score	92
Exons	216..296, 291..455, 292..456		
Seq. No.	12173	Seq. ID	OJ990710_45.9C17.C4
Gene No.	25730	Strand	-
Start	1	End	3041
Name	OJ990710_45.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	278	End	613
GI	none	Score	110
Exons	278..448, 294..452, 295..453, 445..504, 459..509, 492..599, 506..613		
Seq. No.	12173	Seq. ID	OJ990710_45.9C17.C4
Gene No.	25730	Strand	-
Start	1	End	3041
Name	OJ990710_45.9C17.C4.o1.gp	Method	AAT/GAP
Start	810	End	1402
GI	2310235	Score	288
Exons	810..949, 1365..1402		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	12174	Seq. ID	OJ990710_45.9C17.C5
Gene No.	25731	Strand	+
Start	3275	End	6216
Name	OJ990710_45.9C17.C5.o1.np	Method	AAT/NAP
Start	3275	End	6216
GI	6063554	Score	253
Exons	3275..3520, 3771..3994, 5373..5405, 6044..6216		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	12174	Seq. ID	OJ990710_45.9C17.C5
Gene No.	25732	Strand	-
Start	9878	End	11467
Name	OJ990710_45.9C17.C5.o2.np	Method	AAT/NAP
Start	9878	End	11467
GI	4680502	Score	107
Exons	9878..9934, 10586..10769, 11254..11467		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	12175	Seq. ID	OJ990710_45.9C17.C6
Gene No.	25733	Strand	+
Start	4498	End	7031
Name	OJ990710_45.9C17.C6.o1.np	Method	AAT/NAP
Start	4498	End	7031
GI	6742729	Score	141
Exons	4498..4521, 6770..7031		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	12175	Seq. ID	OJ990710_45.9C17.C6
Gene No.	25733	Strand	+
Start	4498	End	7031
Name	OJ990710_45.9C17.C6.o2.gp	Method	AAT/GAP
Start	5807	End	5875
GI	3760640	Score	95
Exons	5807..5875		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	12175	Seq. ID	OJ990710_45.9C17.C6
Gene No.	25734	Strand	-
Start	3644	End	7014
Name	OJ990710_45.9C17.C6.o2.gs	Method	GENSCAN
Start	3644	End	6878
GI	none	Score	.53
Exons	3644..4117, 4154..4215, 6785..6878		

Seq. No.	12175	Seq. ID	OJ990710_45.9C17.C6
Gene No.	25734	Strand	-
Start	3644	End	7014
Name	OJ990710_45.9C17.C6.o1.gp	Method	AAT/GAP
Start	5344	End	5804
GI	LIB3432-059-P1-K1-D8	Score	742
Exons	5344..5804		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	12175	Seq. ID	OJ990710_45.9C17.C6
Gene No.	25734	Strand	-
Start	3644	End	7014
Name	OJ990710_45.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	6776	End	7014
GI	none	Score	184
Exons	6776..7009, 6874..7014, 6874..7008		

Seq. No.	12175	Seq. ID	OJ990710_45.9C17.C6
Gene No.	25734	Strand	-
Start	3644	End	7014
Name	OJ990710_45.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	6779	End	6985
GI	none	Score	209
Exons	6779..6985, 6788..6982, 6874..6984		

Seq. No.	12176	Seq. ID	OJ990710_45.9C17.C7
Gene No.	25735	Strand	+
Start	65	End	553
Name	OJ990710_45.9C17.C7.o1.gs	Method	GENSCAN

Start	65	End	553
GI	none	Score	.67
Exons	65..82, 167..277, 335..553		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25736	Strand	+
Start	2479	End	4216
Name	OJ990710_45.9C17.C10.o1.gs	Method	GENSCAN
Start	2479	End	4216
GI	none	Score	.58
Exons	2479..2597, 3522..3707, 3727..4216		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o1.np	Method	AAT/NAP
Start	4626	End	7355
GI	4680179	Score	4124
Exons	4626..7355		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o6.tw	Method	TBLASTX:Wheat
Start	4671	End	5004
GI	none	Score	66
Exons	4671..5003, 4722..4853, 4723..5004		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o2.gs	Method	GENSCAN
Start	4704	End	7283
GI	none	Score	1
Exons	4704..7283		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	4866	End	5451
GI	none	Score	101
Exons	4866..5291, 4867..5064, 4887..5171, 5128..5292, 5287..5448, 5289..5450, 5296..5451		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	5004	End	5630
GI	none	Score	46
Exons	5004..5630, 5005..5064, 5125..5574, 5283..5627		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355

Name	OJ990710_45.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	5499	End	5790
GI	none	Score	174
Exons	5499..5789, 5502..5789, 5503..5790, 5503..5790		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	5589	End	5849
GI	none	Score	107
Exons	5589..5837, 5589..5849, 5590..5838		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	5613	End	5982
GI	none	Score	87
Exons	5613..5756, 5614..5754, 5757..5939, 5767..5982		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o2.tw	Method	TBLASTX:Wheat
Start	5637	End	6176
GI	none	Score	295
Exons	5637..6176, 5641..5994		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	6204	End	6557
GI	none	Score	203
Exons	6204..6557, 6211..6552		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o3.tw	Method	TBLASTX:Wheat
Start	6204	End	6629
GI	none	Score	225
Exons	6204..6554, 6204..6629, 6211..6627		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o3.ts	Method	TBLASTX:Soybean
Start	6375	End	6623
GI	none	Score	206
Exons	6375..6623		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o4.tm	Method	TBLASTX:Maize

Start	6594	End	7094
GI	none	Score	100
Exons	6594..6902, 6715..6843, 6957..7094		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o5.tw	Method	TBLASTX:Wheat
Start	6630	End	6930
GI	none	Score	126
Exons	6630..6881, 6630..6902, 6631..6930		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	6645	End	7040
GI	none	Score	95
Exons	6645..7004, 6648..7001, 6655..7002, 7008..7040, 7008..7040		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o4.tw	Method	TBLASTX:Wheat
Start	6981	End	7353
GI	none	Score	189
Exons	6981..7352, 6984..7352, 7024..7353, 7054..7353		

Seq. No.	12177	Seq. ID	OJ990710_45.9C17.C10
Gene No.	25737	Strand	-
Start	4704	End	7355
Name	OJ990710_45.9C17.C10.o5.tm	Method	TBLASTX:Maize
Start	7162	End	7355
GI	none	Score	152
Exons	7162..7353, 7164..7355		

Seq. No.	12178	Seq. ID	OJ990710_45.9C17.C11
Gene No.	25738	Strand	+
Start	1613	End	6172
Name	OJ990710_45.9C17.C11.o1.gs	Method	GENSCAN
Start	1613	End	6172
GI	none	Score	.51
Exons	1613..1696, 1843..1959, 3737..3864, 3891..4149, 4200..4332, 5319..5466, 5471..5564, 5603..5778, 6056..6172		

Seq. No.	12178	Seq. ID	OJ990710_45.9C17.C11
Gene No.	25738	Strand	+
Start	1613	End	6172
Name	OJ990710_45.9C17.C11.o2,np	Method	AAT/NAP
Start	5266	End	6150
GI	5852178	Score	429
Exons	5266..5571, 5603..5707, 6055..6150		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	12178	Seq. ID	OJ990710_45.9C17.C11
Gene No.	25739	Strand	-
Start	1	End	4429

Name	OJ990710_45.9C17.C11.o1.np	Method	AAT/NAP
Start	1	End	4429
GI	4416181	Score	59
Exons	1..50, 3772..3992, 4265..4429		
GI Descrip.	(AF083929) ES18 [Mus musculus]		

Seq. No.	12179	Seq. ID	OJ990710_45.9C17.C12
Gene No.	25740	Strand	+
Start	2800	End	3467
Name	OJ990710_45.9C17.C12.o1.np	Method	AAT/NAP
Start	2800	End	3467
GI	6721507	Score	77
Exons	2800..3010, 3270..3467		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12179	Seq. ID	OJ990710_45.9C17.C12
Gene No.	25741	Strand	-
Start	132	End	1409
Name	OJ990710_45.9C17.C12.o1.gs	Method	GENSCAN
Start	132	End	1409
GI	none	Score	.41
Exons	132..338, 1404..1409		

Seq. No.	12179	Seq. ID	OJ990710_45.9C17.C12
Gene No.	25742	Strand	-
Start	3734	End	3800
Name	OJ990710_45.9C17.C12.o2.gs	Method	GENSCAN
Start	3734	End	3800
GI	none	Score	.5
Exons	3734..3800		

Seq. No.	12180	Seq. ID	OJ990710_45.9C17.C13
Gene No.	25743	Strand	-
Start	5011	End	8559
Name	OJ990710_45.9C17.C13.o2.gs	Method	GENSCAN
Start	5011	End	8559
GI	none	Score	.8
Exons	5011..5077, 6682..6821, 6984..7276, 7578..7606, 8213..8346, 8512..8559		

Seq. No.	12180	Seq. ID	OJ990710_45.9C17.C13
Gene No.	25743	Strand	-
Start	5011	End	8559
Name	OJ990710_45.9C17.C13.o1.gp	Method	AAT/GAP
Start	5520	End	5903
GI	uC-osf1cyp033a04b1	Score	681
Exons	5520..5903		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12180	Seq. ID	OJ990710_45.9C17.C13
Gene No.	25744	Strand	-
Start	9266	End	20425
Name	OJ990710_45.9C17.C13.o3.gs	Method	GENSCAN
Start	9266	End	19474
GI	none	Score	.44
Exons	9266..10360, 10530..10605, 11885..11985, 12526..13026,		

13194..13317, 15947..16016, 16337..16587, 16821..17003,
17363..17468, 17532..17762, 18992..19156, 19297..19474

Seq. No.	12180	Seq. ID	OJ990710_45.9C17.C13
Gene No.	25744	Strand	-
Start	9266	End	20425
Name	OJ990710_45.9C17.C13.o2.gp	Method	AAT/GAP
Start	11047	End	11426
GI	uC-osflcyp033a04b1	Score	629
Exons	11047..11426		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12180	Seq. ID	OJ990710_45.9C17.C13
Gene No.	25744	Strand	-
Start	9266	End	20425
Name	OJ990710_45.9C17.C13.o1.np	Method	AAT/NAP
Start	11884	End	13614
GI	6907087	Score	1060
Exons	11884..11985, 12526..13195, 13241..13614		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12180	Seq. ID	OJ990710_45.9C17.C13
Gene No.	25744	Strand	-
Start	9266	End	20425
Name	OJ990710_45.9C17.C13.o2.np	Method	AAT/NAP
Start	15203	End	16987
GI	6063554	Score	284
Exons	15203..15377, 16312..16574, 16693..16987		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12180	Seq. ID	OJ990710_45.9C17.C13
Gene No.	25744	Strand	-
Start	9266	End	20425
Name	OJ990710_45.9C17.C13.o3.np	Method	AAT/NAP
Start	19262	End	20425
GI	5852179	Score	99
Exons	19262..19578, 20404..20425		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25745	Strand	+
Start	310	End	519
Name	OJ990710_45.9C17.C14.o1.gp	Method	AAT/GAP
Start	310	End	519
GI	1631463	Score	342
Exons	310..519		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25746	Strand	+

Start	1147	End	1977
Name	OJ990710_45.9C17.C14.o2.np	Method	AAT/NAP
Start	1147	End	1977
GI	5042448	Score	1140
Exons	1147..1977		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25747	Strand	+
Start	2234	End	7796
Name	OJ990710_45.9C17.C14.o3.np	Method	AAT/NAP
Start	2234	End	7796
GI	4680179	Score	2378
Exons	2234..3648, 7779..7796		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25747	Strand	+
Start	2234	End	7796
Name	OJ990710_45.9C17.C14.o2.gp	Method	AAT/GAP
Start	6666	End	6875
GI	1631463	Score	347
Exons	6666..6875		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25747	Strand	+
Start	2234	End	7796
Name	OJ990710_45.9C17.C14.o3.gp	Method	AAT/GAP
Start	7544	End	7715
GI	LIB3433-026-P1-K1-C1	Score	243
Exons	7544..7715		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25748	Strand	-
Start	206	End	4685
Name	OJ990710_45.9C17.C14.o1.np	Method	AAT/NAP
Start	206	End	4265
GI	4680183	Score	49
Exons	206..375, 4243..4265		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25748	Strand	-
Start	206	End	4685
Name	OJ990710_45.9C17.C14.o4.np	Method	AAT/NAP
Start	4041	End	4685
GI	6721559	Score	307
Exons	4041..4180, 4209..4685		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25749	Strand	-
Start	5963	End	6731
Name	OJ990710_45.9C17.C14.o1.tw	Method	TBLASTX:Wheat
Start	2501	End	2860
GI	none	Score	295
Exons	2501..2860, 2531..2581, 2626..2859		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25749	Strand	-
Start	5963	End	6731
Name	OJ990710_45.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	2741	End	3037
GI	none	Score	211
Exons	2741..3037, 2741..3025		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25749	Strand	-
Start	5963	End	6731
Name	OJ990710_45.9C17.C14.o2.tw	Method	TBLASTX:Wheat
Start	3299	End	3511
GI	none	Score	80
Exons	3299..3364, 3304..3369, 3371..3511, 3385..3501		

Seq. No.	12181	Seq. ID	OJ990710_45.9C17.C14
Gene No.	25749	Strand	-
Start	5963	End	6731
Name	OJ990710_45.9C17.C14.o5.np	Method	AAT/NAP
Start	5963	End	6731
GI	4680183	Score	213
Exons	5963..6052, 6661..6731		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	2140
GI	6630685	Score	2562
Exons	1..1599, 1747..2140		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	577
GI	none	Score	506
Exons	2..577, 3..569, 121..570		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o1.gs	Method	GENSCAN
Start	11	End	2137

GI	none	Score	.6
Exons	11..391, 572..1914, 2131..2137		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o2.ts	Method	TBLASTX:Soybean
Start	44	End	559
GI	none	Score	37
Exons	44..151, 66..134, 161..559, 171..350		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o2.tw	Method	TBLASTX:Wheat
Start	344	End	760
GI	none	Score	95
Exons	344..580, 596..760		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o4.tm	Method	TBLASTX:Maize
Start	578	End	761
GI	none	Score	173
Exons	578..760, 579..761, 618..761		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o2.tm	Method	TBLASTX:Maize
Start	803	End	1270
GI	none	Score	438
Exons	803..1270, 804..1268		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	930	End	1539
GI	5509260	Score	279
Exons	930..1313, 932..1321, 932..1312, 1307..1537, 1319..1534, 1437..1538, 1462..1539		
GI Descrip.	-		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o1.tw	Method	TBLASTX:Wheat
Start	944	End	1396
GI	none	Score	252
Exons	944..1291, 957..1289, 1292..1321, 1322..1396		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o1.tc	Method	TBLASTX:Cress

Start	1049	End	1330
GI	none	Score	87
Exons	1049..1330, 1068..1325		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o3.tm	Method	TBLASTX:Maize
Start	1271	End	1564
GI	none	Score	261
Exons	1271..1534, 1272..1562, 1272..1541, 1274..1564		

Seq. No.	12182	Seq. ID	OJ990710_45.9C17.C15
Gene No.	25750	Strand	-
Start	1	End	2140
Name	OJ990710_45.9C17.C15.o5.tm	Method	TBLASTX:Maize
Start	1882	End	2140
GI	none	Score	194
Exons	1882..2130, 1907..2140, 1920..2135		

Seq. No.	12183	Seq. ID	OJ990710_45.9C17.C16
Gene No.	25751	Strand	+
Start	248	End	418
Name	OJ990710_45.9C17.C16.o1.gs	Method	GENSCAN
Start	248	End	418
GI	none	Score	.68
Exons	248..418		

Seq. No.	12183	Seq. ID	OJ990710_45.9C17.C16
Gene No.	25752	Strand	-
Start	984	End	1864
Name	OJ990710_45.9C17.C16.o2.gs	Method	GENSCAN
Start	984	End	1864
GI	none	Score	.71
Exons	984..1084, 1765..1864		

Seq. No.	12184	Seq. ID	OJ990710_45.9C17.C17
Gene No.	25753	Strand	-
Start	1	End	1042
Name	OJ990710_45.9C17.C17.o1.np	Method	AAT/NAP
Start	1	End	1042
GI	4680203	Score	171
Exons	1..357, 1000..1042		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	12184	Seq. ID	OJ990710_45.9C17.C17
Gene No.	25753	Strand	-
Start	1	End	1042
Name	OJ990710_45.9C17.C17.o1.gs	Method	GENSCAN
Start	134	End	197
GI	none	Score	.57
Exons	134..197		

Seq. No.	12185	Seq. ID	OJ990710_45.9C17.C18
Gene No.	25754	Strand	-
Start	1	End	765
Name	OJ990710_45.9C17.C18.o1.np	Method	AAT/NAP

Start	1	End	337
GI	3645899	Score	330
Exons	1..337		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	12185	Seq. ID	OJ990710_45.9C17.C18
Gene No.	25754	Strand	-
Start	1	End	765
Name	OJ990710_45.9C17.C18.o1.tm	Method	TBLASTX:Maize
Start	5	End	436
GI	none	Score	163
Exons	5..367, 6..377, 383..436, 383..433		

Seq. No.	12185	Seq. ID	OJ990710_45.9C17.C18
Gene No.	25754	Strand	-
Start	1	End	765
Name	OJ990710_45.9C17.C18.o1.tw	Method	TBLASTX:Wheat
Start	59	End	289
GI	none	Score	64
Exons	59..289, 93..221		

Seq. No.	12185	Seq. ID	OJ990710_45.9C17.C18
Gene No.	25754	Strand	-
Start	1	End	765
Name	OJ990710_45.9C17.C18.o1.gs	Method	GENSCAN
Start	188	End	743
GI	none	Score	.53
Exons	188..304, 404..596, 721..743		

Seq. No.	12185	Seq. ID	OJ990710_45.9C17.C18
Gene No.	25754	Strand	-
Start	1	End	765
Name	OJ990710_45.9C17.C18.o2.np	Method	AAT/NAP
Start	347	End	765
GI	4416301	Score	76
Exons	347..520, 731..765		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	12186	Seq. ID	OJ990710_45.9C17.C19
Gene No.	25755	Strand	-
Start	341	End	358
Name	OJ990710_45.9C17.C19.o1.gs	Method	GENSCAN
Start	341	End	358
GI	none	Score	.65
Exons	341..358		

Seq. No.	12187	Seq. ID	OJ990710_45.9C17.C20
Gene No.	25756	Strand	-
Start	150	End	276
Name	OJ990710_45.9C17.C20.o1.np	Method	AAT/NAP
Start	150	End	276
GI	135797	Score	131
Exons	150..276		
GI Descrip.	PHORATOXIN gi|69605|pir||VFFD1T phoratoxin - California mistletoe		

Seq. No.	12188	Seq. ID	OJ990710_45.9C17.C21

Gene No.	25757	Strand	-
Start	89	End	1316
Name	OJ990710_45.9C17.C21.o1.np	Method	AAT/NAP
Start	89	End	1316
GI	6907087	Score	786
Exons	89..175, 294..1006, 1050..1316		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12188	Seq. ID	OJ990710_45.9C17.C21
Gene No.	25757	Strand	-
Start	89	End	1316
Name	OJ990710_45.9C17.C21.o1.gs	Method	GENSCAN
Start	198	End	1119
GI	none	Score	.4
Exons	198..846, 999..1119		

Seq. No.	12189	Seq. ID	OJ990710_45.9C17.C22
Gene No.	25758	Strand	-
Start	470	End	640
Name	OJ990710_45.9C17.C22.o1.gs	Method	GENSCAN
Start	470	End	620
GI	none	Score	.47
Exons	470..620		

Seq. No.	12189	Seq. ID	OJ990710_45.9C17.C22
Gene No.	25758	Strand	-
Start	470	End	640
Name	OJ990710_45.9C17.C22.o1.np	Method	AAT/NAP
Start	507	End	640
GI	135797	Score	118
Exons	507..640		
GI Descrip.	PHORATOXIN gi|69605|pir||VFFD1T phoratoxin - California mistletoe		

Seq. No.	12190	Seq. ID	OJ990710_45.9C17.C24
Gene No.	25759	Strand	-
Start	146	End	940
Name	OJ990710_45.9C17.C24.o1.gs	Method	GENSCAN
Start	146	End	940
GI	none	Score	.62
Exons	146..327, 616..940		

Seq. No.	12190	Seq. ID	OJ990710_45.9C17.C24
Gene No.	25759	Strand	-
Start	146	End	940
Name	OJ990710_45.9C17.C24.o1.np	Method	AAT/NAP
Start	149	End	940
GI	4512231	Score	1257
Exons	149..940		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	12191	Seq. ID	OJ990710_45.9C17.C26
Gene No.	25760	Strand	-
Start	858	End	2154
Name	OJ990710_45.9C17.C26.o1.gs	Method	GENSCAN

Start	858	End	2154
GI	none	Score	.69
Exons	858..1048, 1142..1232, 1676..1871, 1955..2062, 2088..2154		

Seq. No.	12192	Seq. ID	OJ990710_45.9C17.C27
Gene No.	25761	Strand	+
Start	711	End	808
Name	OJ990710_45.9C17.C27.o1.gs	Method	GENSCAN
Start	711	End	808
GI	none	Score	.56
Exons	711..808		

Seq. No.	12193	Seq. ID	OJ990710_45.9C17.C29
Gene No.	25762	Strand	+
Start	1	End	379
Name	OJ990710_45.9C17.C29.o1.np	Method	AAT/NAP
Start	1	End	379
GI	4680179	Score	300
Exons	1..40, 68..379		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12194	Seq. ID	OJ990710_45.9C17.C30
Gene No.	25763	Strand	+
Start	437	End	657
Name	OJ990710_45.9C17.C30.o1.np	Method	AAT/NAP
Start	437	End	657
GI	2498930	Score	33
Exons	437..657		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	12194	Seq. ID	OJ990710_45.9C17.C30
Gene No.	25763	Strand	+
Start	437	End	657
Name	OJ990710_45.9C17.C30.o1.gs	Method	GENSCAN
Start	448	End	508
GI	none	Score	.59
Exons	448..508		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o1.gs	Method	GENSCAN
Start	148	End	1564
GI	none	Score	.68
Exons	148..299, 510..565, 665..824, 996..1564		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o6.tm	Method	TBLASTX:Maize
Start	550	End	910
GI	none	Score	101
Exons	550..642, 552..644, 671..910, 679..747, 775..903		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+

Start	148	End	3909
Name	OJ990620_37.9C23.C2.o5.tw	Method	TBLASTX:Wheat
Start	686	End	1003
GI	none	Score	217
Exons	686..1003, 700..921		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o1.np	Method	AAT/NAP
Start	722	End	3827
GI	4416302	Score	3382
Exons	722..3827		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o4.tm	Method	TBLASTX:Maize
Start	913	End	1305
GI	none	Score	92
Exons	913..1044, 914..1042, 1032..1238, 1033..1254, 1033..1305, 1037..1303		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o2.tw	Method	TBLASTX:Wheat
Start	1073	End	1639
GI	none	Score	255
Exons	1073..1330, 1076..1321, 1361..1639, 1361..1639		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	1310	End	2170
GI	none	Score	109
Exons	1310..1381, 1331..1801, 1381..1998, 1382..1999, 1993..2109, 2012..2170		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o3.ts	Method	TBLASTX:Soybean
Start	1490	End	1951
GI	none	Score	319
Exons	1490..1951, 1520..1804		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o2.gs	Method	GENSCAN
Start	1718	End	3514
GI	none	Score	.79
Exons	1718..3514		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o4.tw	Method	TBLASTX:Wheat
Start	1733	End	2074
GI	none	Score	95
Exons	1733..1810, 1735..1800, 1817..1963, 1825..1971, 1984..2064, 1985..2074		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o5.tm	Method	TBLASTX:Maize
Start	2171	End	2458
GI	none	Score	275
Exons	2171..2401, 2191..2454, 2408..2458, 2410..2457		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	2186	End	2799
GI	5509260	Score	713
Exons	2186..2794, 2279..2791, 2281..2799, 2536..2799		
GI Descrip.	-		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	2315	End	2791
GI	none	Score	83
Exons	2315..2401, 2402..2437, 2428..2781, 2438..2785, 2444..2572, 2445..2648, 2446..2784, 2615..2791		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o1.tc	Method	TBLASTX:Cress
Start	2407	End	2680
GI	none	Score	198
Exons	2407..2553, 2408..2680		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o3.tm	Method	TBLASTX:Maize
Start	2459	End	2923
GI	none	Score	572
Exons	2459..2923, 2459..2578, 2461..2844, 2612..2917		

Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o7.tm	Method	TBLASTX:Maize
Start	2971	End	3160
GI	none	Score	250

Exons	2971..3159, 2972..3160		
Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o3.tw	Method	TBLASTX:Wheat
Start	2975	End	3406
GI	none	Score	102
Exons	2975..3136, 3149..3406		
Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	3161	End	3909
GI	none	Score	456
Exons	3161..3481, 3163..3480, 3479..3835, 3480..3887, 3724..3909		
Seq. No.	12195	Seq. ID	OJ990620_37.9C23.C2
Gene No.	25764	Strand	+
Start	148	End	3909
Name	OJ990620_37.9C23.C2.o2.ts	Method	TBLASTX:Soybean
Start	3170	End	3833
GI	none	Score	243
Exons	3170..3478, 3175..3480, 3480..3551, 3585..3833, 3593..3754		
Seq. No.	12196	Seq. ID	OJ990620_37.9C23.C3
Gene No.	25765	Strand	-
Start	315	End	3835
Name	OJ990620_37.9C23.C3.o1.np	Method	AAT/NAP
Start	315	End	3835
GI	6721516	Score	545
Exons	315..496, 2869..3179, 3595..3835		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	12196	Seq. ID	OJ990620_37.9C23.C3
Gene No.	25765	Strand	-
Start	315	End	3835
Name	OJ990620_37.9C23.C3.o2.gs	Method	GENSCAN
Start	2779	End	3193
GI	none	Score	.56
Exons	2779..2795, 2881..2998, 3086..3193		
Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25766	Strand	+
Start	256	End	3539
Name	OJ990620_37.9C23.C4.o1.gs	Method	GENSCAN
Start	256	End	3539
GI	none	Score	.94
Exons	256..453, 2677..2884, 2970..3539		
Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25767	Strand	+
Start	3760	End	5409
Name	OJ990620_37.9C23.C4.o2.gs	Method	GENSCAN
Start	3760	End	5409
GI	none	Score	.74

Exons 3760..3944, 4854..4957, 5210..5409

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25768	Strand	+
Start	5716	End	8896
Name	OJ990620_37.9C23.C4.o3.gs	Method	GENSCAN
Start	5716	End	8896
GI	none	Score	.74
Exons	5716..5767, 6239..6361, 6568..7237, 7297..7322, 7411..7823, 7899..7958, 8027..8140, 8216..8517, 8608..8896		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25769	Strand	+
Start	17126	End	19801
Name	OJ990620_37.9C23.C4.o6.gs	Method	GENSCAN
Start	17126	End	19801
GI	none	Score	.99
Exons	17126..17246, 17499..17626, 17748..18224, 18308..18580, 18918..19034, 19118..19801		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25770	Strand	+
Start	35104	End	38968
Name	OJ990620_37.9C23.C4.o2.np	Method	AAT/NAP
Start	35092	End	38965
GI	1345786	Score	973
Exons	35092..35278, 37962..38965		
GI Descrip.	CHALCONE SYNTHASE 1 (NARINGENIN-CHALCONE SYNTHASE 1) gi|1362141|pir||S56699 naringenin-chalcone synthase (EC 2.3.1.74) 1 - gerbera hybrid gi|853928|emb|CAA86218| (Z38096) chalcone synthase [Gerbera hybrida]		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25770	Strand	+
Start	35104	End	38968
Name	OJ990620_37.9C23.C4.o8.gs	Method	GENSCAN
Start	35104	End	37038
GI	none	Score	.78
Exons	35104..35278, 36956..37038		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25770	Strand	+
Start	35104	End	38968
Name	OJ990620_37.9C23.C4.o2.gp	Method	AAT/GAP
Start	36900	End	37051
GI	3073_1.R1084	Score	255
Exons	36900..37051		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25770	Strand	+
Start	35104	End	38968
Name	OJ990620_37.9C23.C4.o3.gp	Method	AAT/GAP

Start	37224	End	37679
GI	LIB3432-059-P1-K1-D8	Score	685
Exons	37224..37679		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25770	Strand	+
Start	35104	End	38968
Name	OJ990620_37.9C23.C4.o9.gs	Method	GENSCAN
Start	37973	End	38968
GI	none	Score	.92
Exons	37973..38968		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25771	Strand	+
Start	39696	End	58557
Name	OJ990620_37.9C23.C4.o10.gs	Method	GENSCAN
Start	39696	End	51186
GI	none	Score	.45
Exons	39696..39715, 42758..42851, 43262..43453, 43945..45060, 45181..46023, 46735..47025, 47030..47371, 48793..51186		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25771	Strand	+
Start	39696	End	58557
Name	OJ990620_37.9C23.C4.o3.np	Method	AAT/NAP
Start	44029	End	46089
GI	6069646	Score	882
Exons	44029..44823, 45112..46089		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25771	Strand	+
Start	39696	End	58557
Name	OJ990620_37.9C23.C4.o4.np	Method	AAT/NAP
Start	48749	End	58557
GI	3176715	Score	1417
Exons	48749..48909, 48937..49201, 55219..57261, 58498..58557		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25771	Strand	+
Start	39696	End	58557
Name	OJ990620_37.9C23.C4.o6.gp	Method	AAT/GAP
Start	53213	End	54087
GI	none	Score	1679
Exons	53213..54087		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25771	Strand	+
Start	39696	End	58557

Name	OJ990620_37.9C23.C4.o12.gs	Method	GENSCAN
Start	54732	End	57218
GI	none	Score	.98
Exons	54732..57218		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25772	Strand	-
Start	9435	End	34354
Name	OJ990620_37.9C23.C4.o4.gs	Method	GENSCAN
Start	9435	End	11287
GI	none	Score	.53
Exons	9435..9886, 10114..11287		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25772	Strand	-
Start	9435	End	34354
Name	OJ990620_37.9C23.C4.o1.np	Method	AAT/NAP
Start	9456	End	23417
GI	4544372	Score	1435
Exons	9456..10682, 15178..15464, 21523..21820, 21933..22334, 22401..23417		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25772	Strand	-
Start	9435	End	34354
Name	OJ990620_37.9C23.C4.o5.gs	Method	GENSCAN
Start	11809	End	16044
GI	none	Score	.41
Exons	11809..12980, 13278..13426, 13611..13771, 13787..14587, 14637..14842, 15101..15330, 15462..15927, 15939..16044		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25772	Strand	-
Start	9435	End	34354
Name	OJ990620_37.9C23.C4.o7.gs	Method	GENSCAN
Start	20398	End	34354
GI	none	Score	.51
Exons	20398..21195, 21424..21906, 22509..23300, 23650..23731, 24805..24879, 26010..26253, 28333..28412, 30474..30590, 33786..33891, 34324..34354		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o5.ts	Method	TBLASTX:Soybean
Start	9450	End	20496
GI	none	Score	45
Exons	9450..9695, 9454..9483, 9532..9693, 20251..20496, 20255..20284, 20324..20458, 20329..20496		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o4.tw	Method	TBLASTX:Wheat
Start	9471	End	20679

GI	none	Score	80
Exons	9471..9887, 9505..9645, 20272..20679, 20306..20461		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o8.ts	Method	TBLASTX:Soybean
Start	10127	End	21201
GI	none	Score	75
Exons	10127..10435, 10215..10331, 20839..21201		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o9.tw	Method	TBLASTX:Wheat
Start	10205	End	21396
GI	none	Score	181
Exons	10205..10261, 10295..10399, 10433..10594, 21007..21063, 21088..21396		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o10.tm	Method	TBLASTX:Maize
Start	10268	End	21402
GI	none	Score	217
Exons	10268..10597, 21070..21402		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o6.tw	Method	TBLASTX:Wheat
Start	10832	End	22061
GI	none	Score	59
Exons	10832..11122, 10875..11024, 11046..11111, 11162..11251, 21658..21861, 21966..22061		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o3.ts	Method	TBLASTX:Soybean
Start	10884	End	22101
GI	none	Score	149
Exons	10884..11138, 10886..11137, 11159..11296, 11163..11294, 21689..21841, 21691..21843, 21858..21926, 21859..21939, 21963..22100, 21967..22101		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o13.tm	Method	TBLASTX:Maize
Start	11562	End	11802
GI	none	Score	101
Exons	11562..11684, 11563..11682, 11563..11691, 11576..11692, 11677..11802, 11680..11796, 11779..11802		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4

Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o8.tw	Method	TBLASTX:Wheat
Start	11884	End	22718
GI	none	Score	111
Exons	11884..12201, 11939..12202, 22341..22439, 22405..22713, 22416..22718		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o3.tm	Method	TBLASTX:Maize
Start	11890	End	22868
GI	none	Score	232
Exons	11890..12351, 11891..12202, 12070..12351, 22409..22549, 22410..22868, 22411..22716, 22780..22866		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o4.ts	Method	TBLASTX:Soybean
Start	11918	End	22712
GI	none	Score	114
Exons	11918..12166, 11923..12204, 22251..22439, 22258..22395, 22440..22712, 22459..22683		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o2.tw	Method	TBLASTX:Wheat
Start	12239	End	23141
GI	none	Score	276
Exons	12239..12565, 12241..12573, 12263..12565, 12568..12624, 12578..12625, 22736..23080, 22758..23090, 22780..23082, 23085..23141, 23095..23136		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o8.tm	Method	TBLASTX:Maize
Start	12352	End	23087
GI	none	Score	197
Exons	12352..12570, 12353..12565, 22869..23087, 22870..23082		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o9.ts	Method	TBLASTX:Soybean
Start	12421	End	23291
GI	none	Score	131
Exons	12421..12555, 12562..12792, 22938..23072, 23079..23291		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o12.tm	Method	TBLASTX:Maize
Start	28102	End	28878

GI	none	Score	40
Exons	28102..28143, 28214..28396, 28226..28369, 28247..28387, 28249..28383, 28264..28365, 28271..28399, 28271..28411, 28271..28408, 28272..28379, 28405..28464, 28432..28458, 28471..28593, 28472..28585, 28472..28588, 28472..28594, 28477..28596, 28478..28579, 28478..28597, 28478..28627, 28479..28589, 28479..28607, 28481..28585, 28482..28607, 28482..28505, 28483..28608, 28489..28608, 28493..28618, 28607..28672, 28610..28696, 28611..28688, 28617..28706, 28621..28701, 28624..28707, 28626..28706, 28648..28707, 28710..28760, 28759..28878, 28769..28825, 28788..28874		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o7.tw	Method	TBLASTX:Wheat
Start	29644	End	29996
GI	none	Score	178
Exons	29644..29871, 29862..29996		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	35149	End	38860
GI	none	Score	131
Exons	35149..35295, 37963..38397, 37964..38428, 38204..38458, 38307..38447, 38483..38644, 38672..38860		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o2.tc	Method	TBLASTX:Cress
Start	35149	End	38860
GI	none	Score	126
Exons	35149..35295, 37963..38391, 37964..38644, 38672..38860		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o2.tm	Method	TBLASTX:Maize
Start	35149	End	38922
GI	none	Score	126
Exons	35149..35295, 37963..38397, 37964..38428, 38153..38467, 38307..38450, 38483..38623, 38672..38809, 38872..38922		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o11.tm	Method	TBLASTX:Maize
Start	36904	End	37110
GI	none	Score	108
Exons	36904..36975, 36904..36972, 36908..36979, 36909..36974, 36920..36979, 36940..37047, 36966..37043, 36968..37048, 37057..37110		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4

Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o7.tm	Method	TBLASTX:Maize
Start	43440	End	43808
GI	none	Score	283
Exons	43440..43808, 43559..43759		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o6.tm	Method	TBLASTX:Maize
Start	44017	End	44358
GI	none	Score	328
Exons	44017..44358, 44029..44334, 44031..44357		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o4.tm	Method	TBLASTX:Maize
Start	44359	End	45045
GI	none	Score	268
Exons	44359..44739, 44409..44543, 44796..45044, 44797..45045		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o5.tw	Method	TBLASTX:Wheat
Start	44689	End	45132
GI	none	Score	201
Exons	44689..44982, 44692..44877, 44998..45051, 45055..45132		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o9.tm	Method	TBLASTX:Maize
Start	45109	End	45402
GI	none	Score	170
Exons	45109..45288, 45117..45287, 45289..45402		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o14.tm	Method	TBLASTX:Maize
Start	45511	End	45984
GI	none	Score	144
Exons	45511..45816, 45862..45984		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o5.np	Method	AAT/NAP
Start	46935	End	61669
GI	5734709	Score	142
Exons	46935..47114, 47254..47490, 58856..58995, 61424..61669		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o6.ts	Method	TBLASTX:Soybean
Start	48850	End	55373
GI	none	Score	63
Exons	48850..48903, 48949..49041, 49042..49086, 49093..49191, 49194..49322, 49201..49344, 54858..54929, 54963..55034, 55239..55373, 55241..55363		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	48930	End	57188
GI	none	Score	90
Exons	48930..49034, 48946..49050, 49149..49250, 49150..49263, 49567..49809, 49909..49980, 50226..50345, 50227..50346, 50356..50883, 50362..50850, 50364..50882, 50923..51156, 50956..51132, 54939..55064, 55200..55283, 55611..55826, 55851..56003, 56289..56378, 56312..56377, 56384..56908, 56388..56918, 56955..57188, 56979..57140, 57062..57184		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o1.tw	Method	TBLASTX:Wheat
Start	49613	End	56038
GI	none	Score	143
Exons	49613..49822, 49616..49813, 49623..49823, 49626..49826, 49630..49824, 49633..49830, 49830..49961, 49832..49975, 49833..49922, 49834..49977, 49969..50010, 49972..50007, 55644..56036, 55651..56037, 55652..56038		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o7.ts	Method	TBLASTX:Soybean
Start	49618	End	55910
GI	none	Score	174
Exons	49618..49821, 49653..49814, 55527..55667, 55650..55910, 55700..55837		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o5.tm	Method	TBLASTX:Maize
Start	50244	End	56579
GI	none	Score	140
Exons	50244..50369, 50245..50370, 50355..50543, 50356..50547, 56276..56401, 56277..56402, 56387..56575, 56388..56579, 56394..56576		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o2.ts	Method	TBLASTX:Soybean

Start	50245	End	57137
GI	none	Score	53
Exons	50245..50298, 50302..50379, 50304..50378, 50392..50772, 50398..50886, 50451..50864, 50995..51123, 56277..56330, 56334..56411, 56336..56410, 56424..56828, 56430..56915, 56618..56905, 57030..57137		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o3.tw	Method	TBLASTX:Wheat
Start	50412	End	56858
GI	none	Score	116
Exons	50412..50543, 50413..50544, 50563..50739, 50566..50724, 50568..50750, 50637..50732, 50767..50826, 56444..56575, 56445..56597, 56592..56795, 56595..56756, 56618..56764, 56799..56858		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	50548	End	57179
GI	none	Score	421
Exons	50548..50925, 50568..50882, 50569..50883, 50911..51081, 50922..51107, 50923..51156, 56580..56915, 56595..56897, 56618..56905, 56934..57179, 56949..57140, 56957..57169		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o11.gs	Method	GENSCAN
Start	51823	End	54096
GI	none	Score	.84
Exons	51823..51893, 52104..52305, 54094..54096		

Seq. No.	12197	Seq. ID	OJ990620_37.9C23.C4
Gene No.	25773	Strand	-
Start	46935	End	61911
Name	OJ990620_37.9C23.C4.o13.gs	Method	GENSCAN
Start	58806	End	61911
GI	none	Score	.89
Exons	58806..58865, 58945..59032, 61247..61911		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25774	Strand	+
Start	392	End	7063
Name	OJ990620_37.9C23.C5.o1.gs	Method	GENSCAN
Start	392	End	6733
GI	none	Score	.72
Exons	392..586, 2255..2373, 3475..3602, 4127..4179, 4486..4604, 4911..4971, 5272..5438, 5822..5936, 6048..6250, 6345..6455, 6637..6733		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25774	Strand	+
Start	392	End	7063

Name	OJ990620_37.9C23.C5.o1.gp	Method	AAT/GAP
Start	3926	End	5451
GI	none	Score	1061
Exons	3926..4017, 4110..4270, 4486..4604, 4911..4971, 5272..5451		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25774	Strand	+
Start	392	End	7063
Name	OJ990620_37.9C23.C5.o1.np	Method	AAT/NAP
Start	4501	End	6736
GI	6648207	Score	479
Exons	4501..4604, 4911..4971, 5272..5438, 5822..5936, 6048..6250, 6345..6455, 6637..6736		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25774	Strand	+
Start	392	End	7063
Name	OJ990620_37.9C23.C5.o2.gp	Method	AAT/GAP
Start	6324	End	7063
GI	none	Score	1004
Exons	6324..6455, 6637..7063		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25775	Strand	+
Start	11206	End	14100
Name	OJ990620_37.9C23.C5.o2.np	Method	AAT/NAP
Start	11206	End	13803
GI	6041797	Score	826
Exons	11206..11434, 11519..11657, 11781..11993, 12085..12229, 12793..12943, 13049..13158, 13241..13321, 13488..13537, 13731..13803		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana] gi|6513915|gb|AAF14819.1|AC011664_1 (AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25775	Strand	+
Start	11206	End	14100
Name	OJ990620_37.9C23.C5.o3.gs	Method	GENSCAN
Start	11206	End	13806
GI	none	Score	.62
Exons	11206..11440, 11519..11657, 11727..11993, 12085..12229, 12793..12943, 13049..13158, 13241..13338, 13468..13537, 13717..13806		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25775	Strand	+
Start	11206	End	14100
Name	OJ990620_37.9C23.C5.o3.gp	Method	AAT/GAP
Start	11932	End	14100
GI	32106_1.R1084	Score	1862
Exons	11932..11993, 12085..12229, 12793..12943, 13049..13158, 13241..13338, 13468..13537, 13717..14100		
GI Descrip.	'6041797/gb|AAF02117.1|AC009755_10 1.0e-48 (AC009755) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	4902	End	6937
GI	none	Score	108
Exons	4902..4985, 4909..4971, 5215..5439, 5270..5437, 5277..5438, 5673..5771, 5822..5932, 5822..5932, 5838..5936, 6045..6251, 6047..6247, 6193..6255, 6333..6455, 6343..6447, 6346..6459, 6347..6460, 6629..6742, 6634..6732, 6824..6877, 6833..6880, 6884..6937		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	11187	End	13554
GI	none	Score	197
Exons	11187..11264, 11197..11364, 11245..11319, 11517..11651, 11518..11658, 11778..11813, 11788..11991, 11892..11987, 12077..12133, 12787..12945, 12790..12954, 13026..13163, 13039..13164, 13199..13345, 13241..13345, 13457..13537, 13459..13554		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	11188	End	11658
GI	none	Score	245
Exons	11188..11364, 11205..11360, 11518..11658, 11518..11658		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	11200	End	13812
GI	none	Score	184
Exons	11200..11364, 11518..11658, 11782..12027, 11880..11987, 12079..12132, 12136..12210, 12779..12943, 12787..12942, 12790..12948, 13047..13154, 13048..13164, 13237..13338, 13241..13342, 13457..13537, 13457..13537, 13714..13812, 13716..13805		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	11787	End	13812
GI	none	Score	189
Exons	11787..12011, 11794..12012, 12077..12229, 12079..12207, 12086..12229, 12786..12944, 12787..12945, 12790..12948, 12792..13013, 13047..13157, 13048..13164, 13240..13338, 13241..13336, 13456..13536, 13457..13537, 13707..13811, 13712..13807, 13714..13812, 13716..13811		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5

Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o4.gp	Method	AAT/GAP
Start	14782	End	16165
GI	none	Score	1187
Exons	14782..14965, 15705..16165		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o3.np	Method	AAT/NAP
Start	14987	End	17595
GI	5668771	Score	509
Exons	14987..15030, 15807..15917, 16292..16541, 16871..17595		
GI Descrip.	(AC005916) Contains similarity to gb|D88035 glycoprotein specific UDP-glucuronyltransferase from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	15747	End	16941
GI	none	Score	73
Exons	15747..15920, 15748..15876, 16280..16546, 16292..16546, 16302..16568, 16356..16547, 16873..16941		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o4.gs	Method	GENSCAN
Start	15747	End	18148
GI	none	Score	.9
Exons	15747..15917, 16292..16541, 16871..17175, 18046..18148		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	15754	End	16367
GI	none	Score	161
Exons	15754..15915, 15754..15900, 15756..15920, 16280..16366, 16287..16367, 16290..16367		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	16870	End	17058
GI	none	Score	111
Exons	16870..17016, 16904..17014, 17005..17052, 17005..17058		

Seq. No.	12198	Seq. ID	OJ990620_37.9C23.C5
Gene No.	25776	Strand	-
Start	15747	End	18874
Name	OJ990620_37.9C23.C5.o4.np	Method	AAT/NAP
Start	16907	End	18874

GI	5852093	Score	106
Exons	16907..16983, 18146..18213, 18647..18753, 18844..18874		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	12199	Seq. ID	OJ990620_37.9C23.C6
Gene No.	25777	Strand	+
Start	1	End	10815
Name	OJ990620_37.9C23.C6.o1.np	Method	AAT/NAP
Start	1	End	7508
GI	6063557	Score	87
Exons	1..16, 876..1053, 1789..1894, 7462..7508		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	12199	Seq. ID	OJ990620_37.9C23.C6
Gene No.	25777	Strand	+
Start	1	End	10815
Name	OJ990620_37.9C23.C6.o1.gs	Method	GENSCAN
Start	134	End	962
GI	none	Score	.8
Exons	134..332, 861..962		

Seq. No.	12199	Seq. ID	OJ990620_37.9C23.C6
Gene No.	25777	Strand	+
Start	1	End	10815
Name	OJ990620_37.9C23.C6.o2.gs	Method	GENSCAN
Start	4541	End	8756
GI	none	Score	.57
Exons	4541..4605, 6005..6110, 6261..6344, 6492..6605, 6651..6675, 6988..7151, 7581..7892, 7894..7961, 8108..8222, 8559..8756		

Seq. No.	12199	Seq. ID	OJ990620_37.9C23.C6
Gene No.	25777	Strand	+
Start	1	End	10815
Name	OJ990620_37.9C23.C6.o4.np	Method	AAT/NAP
Start	6393	End	10815
GI	5922620	Score	242
Exons	6393..6431, 6492..6605, 6651..6675, 7546..8014, 10691..10815		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12199	Seq. ID	OJ990620_37.9C23.C6
Gene No.	25778	Strand	-
Start	5682	End	6128
Name	OJ990620_37.9C23.C6.o2.np	Method	AAT/NAP
Start	5682	End	6128
GI	6539570	Score	161
Exons	5682..5748, 5925..6128		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	12199	Seq. ID	OJ990620_37.9C23.C6
Gene No.	25779	Strand	-
Start	6255	End	7599
Name	OJ990620_37.9C23.C6.o3.np	Method	AAT/NAP
Start	6255	End	7599

GI	6630699	Score	76
Exons	6255..6338, 7543..7599		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	12199	Seq. ID	OJ990620_37.9C23.C6
Gene No.	25780	Strand	-
Start	7772	End	10938
Name	OJ990620_37.9C23.C6.o5.np	Method	AAT/NAP
Start	7772	End	10938
GI	6721516	Score	148
Exons	7772..7827, 9286..9522, 10858..10938		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12199	Seq. ID	OJ990620_37.9C23.C6
Gene No.	25780	Strand	-
Start	7772	End	10938
Name	OJ990620_37.9C23.C6.o3.gs	Method	GENSCAN
Start	10150	End	10728
GI	none	Score	.73
Exons	10150..10264, 10321..10728		

Seq. No.	12200	Seq. ID	OJ990620_37.9C23.C7
Gene No.	25781	Strand	+
Start	274	End	745
Name	OJ990620_37.9C23.C7.o1.np	Method	AAT/NAP
Start	274	End	745
GI	1944134	Score	463
Exons	274..745		
GI Descrip.	(AB002582) chalcone synthase [Perilla frutescens]		

Seq. No.	12200	Seq. ID	OJ990620_37.9C23.C7
Gene No.	25781	Strand	+
Start	274	End	745
Name	OJ990620_37.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	275	End	740
GI	none	Score	451
Exons	275..727, 276..740		

Seq. No.	12200	Seq. ID	OJ990620_37.9C23.C7
Gene No.	25781	Strand	+
Start	274	End	745
Name	OJ990620_37.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	275	End	745
GI	none	Score	465
Exons	275..745, 276..743		

Seq. No.	12200	Seq. ID	OJ990620_37.9C23.C7
Gene No.	25781	Strand	+
Start	274	End	745
Name	OJ990620_37.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	275	End	745
GI	none	Score	456
Exons	275..745, 276..743, 533..670, 643..693, 658..696		

Seq. No.	12200	Seq. ID	OJ990620_37.9C23.C7

Gene No.	25781	Strand	+
Start	274	End	745
Name	OJ990620_37.9C23.C7.o1.gs	Method	GENSCAN
Start	285	End	683
GI	none	Score	.86
Exons	285..683		

Seq. No.	12201	Seq. ID	OJ990530_32.9C10.C1
Gene No.	25782	Strand	-
Start	164	End	359
Name	OJ990530_32.9C10.C1.o1.gs	Method	GENSCAN
Start	164	End	359
GI	none	Score	.55
Exons	164..254, 286..359		

Seq. No.	12202	Seq. ID	OJ990530_32.9C10.C3
Gene No.	25783	Strand	+
Start	23	End	690
Name	OJ990530_32.9C10.C3.o1.gs	Method	GENSCAN
Start	23	End	690
GI	none	Score	.98
Exons	23..103, 187..278, 403..520, 630..690		

Seq. No.	12202	Seq. ID	OJ990530_32.9C10.C3
Gene No.	25783	Strand	+
Start	23	End	690
Name	OJ990530_32.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	186	End	520
GI	none	Score	120
Exons	186..281, 187..279, 349..414, 356..427, 357..422, 415..474, 416..520, 417..509		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25784	Strand	+
Start	4002	End	7657
Name	OJ990530_32.9C10.C4.o1.gs	Method	GENSCAN
Start	4002	End	7649
GI	none	Score	.92
Exons	4002..4625, 5830..6115, 7099..7649		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25784	Strand	+
Start	4002	End	7657
Name	OJ990530_32.9C10.C4.o1.np	Method	AAT/NAP
Start	4008	End	7646
GI	6598436	Score	1728
Exons	4008..4625, 5830..6115, 7099..7646		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25784	Strand	+
Start	4002	End	7657
Name	OJ990530_32.9C10.C4.o1.gp	Method	AAT/GAP
Start	7267	End	7657
GI	5005512	Score	778
Exons	7267..7657		
GI Descrip.	3335376 1.0e-24 (AC003028) putative ammonium transporter		

[Arabidopsis thaliana]

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25785	Strand	+
Start	9459	End	11049
Name	OJ990530_32.9C10.C4.o3.np	Method	AAT/NAP
Start	9459	End	11049
GI	6723758	Score	64
Exons	9459..9499, 10856..11049		
GI Descrip.	(AJ271079) Ycf4 protein [Oenothera elata subsp. hookeri]		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25786	Strand	+
Start	11075	End	11496
Name	OJ990530_32.9C10.C4.o4.np	Method	AAT/NAP
Start	11075	End	11496
GI	11998	Score	99
Exons	11075..11194, 11360..11496		
GI Descrip.	(X15901) ORF85 [Oryza sativa] gi|226619|prf||1603356AR ORF 85A [Oryza sativa]		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25787	Strand	+
Start	15102	End	15236
Name	OJ990530_32.9C10.C4.o4.gs	Method	GENSCAN
Start	15102	End	15236
GI	none	Score	.53
Exons	15102..15236		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25788	Strand	-
Start	8120	End	8828
Name	OJ990530_32.9C10.C4.o2.np	Method	AAT/NAP
Start	8114	End	8702
GI	6686082	Score	233
Exons	8114..8190, 8285..8702		
GI Descrip.	HYPOTHETICAL PROTEIN MTH273 gi|2621324 (AE000813) conserved protein [Methanobacterium thermoautotrophicum]		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25788	Strand	-
Start	8120	End	8828
Name	OJ990530_32.9C10.C4.o2.gs	Method	GENSCAN
Start	8120	End	8717
GI	none	Score	.99
Exons	8120..8194, 8307..8717		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25788	Strand	-
Start	8120	End	8828
Name	OJ990530_32.9C10.C4.o2.gp	Method	AAT/GAP
Start	8484	End	8828
GI	none	Score	594
Exons	8484..8828		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-

Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	4028	End	4459
GI	none	Score	382
Exons	4028..4333, 4038..4334, 4358..4459, 4359..4457		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	4031	End	6123
GI	none	Score	396
Exons	4031..4330, 4035..4337, 4346..4519, 4347..4625, 4553..4624, 5830..5877, 5836..5928, 5903..5929, 5928..6080, 5929..6081, 6073..6123, 6081..6116		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	4571	End	6045
GI	none	Score	98
Exons	4571..4624, 4572..4625, 5823..5882, 5825..5878, 5830..5928, 5831..5929, 5928..6044, 5929..6045		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o4.tm	Method	TBLASTX:Maize
Start	5842	End	6117
GI	none	Score	302
Exons	5842..6117, 5845..5925, 5850..6116		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o2.tc	Method	TBLASTX:Cress
Start	5856	End	6117
GI	none	Score	261
Exons	5856..6116, 5929..6117		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o3.tm	Method	TBLASTX:Maize
Start	7091	End	7436
GI	none	Score	371
Exons	7091..7324, 7095..7436, 7323..7436		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o4.ts	Method	TBLASTX:Soybean
Start	7094	End	7334
GI	none	Score	234
Exons	7094..7333, 7095..7334		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o3.ts	Method	TBLASTX:Soybean
Start	7377	End	14997
GI	none	Score	254
Exons	7377..7553, 7377..7553, 7619..7642, 14866..14901, 14980..14997		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	8120	End	8720
GI	none	Score	98
Exons	8120..8203, 8123..8197, 8271..8462, 8278..8463, 8412..8522, 8413..8523, 8538..8720, 8569..8700		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	8135	End	8685
GI	none	Score	63
Exons	8135..8194, 8142..8195, 8292..8414, 8311..8415, 8439..8471, 8440..8469, 8466..8684, 8467..8685		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	8352	End	8685
GI	none	Score	254
Exons	8352..8684, 8356..8685		

Seq. No.	12203	Seq. ID	OJ990530_32.9C10.C4
Gene No.	25789	Strand	-
Start	11508	End	14997
Name	OJ990530_32.9C10.C4.o3.gs	Method	GENSCAN
Start	11508	End	11735
GI	none	Score	.74
Exons	11508..11735		

Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25790	Strand	+
Start	6942	End	11062
Name	OJ990530_32.9C10.C5.o1.np	Method	AAT/NAP
Start	6942	End	11062
GI	6063554	Score	379
Exons	6942..6971, 8714..8802, 9299..9572, 9690..9912, 10230..10257, 10888..11062		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25790	Strand	+
Start	6942	End	11062

Name	OJ990530_32.9C10.C5.o1.gp	Method	AAT/GAP
Start	9723	End	10457
GI	101153_1.R1084	Score	604
Exons	9723..9912, 10230..10457		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25790	Strand	+
Start	6942	End	11062
Name	OJ990530_32.9C10.C5.o2.gp	Method	AAT/GAP
Start	10475	End	10902
GI	2428185	Score	817
Exons	10475..10902		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25791	Strand	-
Start	9998	End	17845
Name	OJ990530_32.9C10.C5.o2.np	Method	AAT/NAP
Start	9998	End	17845
GI	5042447	Score	203
Exons	9998..10026, 13142..13752, 17802..17845		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25791	Strand	-
Start	9998	End	17845
Name	OJ990530_32.9C10.C5.o3.gp	Method	AAT/GAP
Start	11431	End	11686
GI	61605_3.R1084	Score	420
Exons	11431..11686		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25791	Strand	-
Start	9998	End	17845
Name	OJ990530_32.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	12751	End	12957
GI	none	Score	45
Exons	12751..12957, 12755..12784, 12833..12952		

Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25791	Strand	-
Start	9998	End	17845
Name	OJ990530_32.9C10.C5.o2.gs	Method	GENSCAN
Start	12927	End	17273
GI	none	Score	.57
Exons	12927..14309, 14415..15955, 16177..16381, 16383..17273		

Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25791	Strand	-
Start	9998	End	17845
Name	OJ990530_32.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	13380	End	13751

GI	none	Score	88
Exons	13380..13568, 13393..13524, 13569..13751, 13588..13749		
Seq. No.	12204	Seq. ID	OJ990530_32.9C10.C5
Gene No.	25791	Strand	-
Start	9998	End	17845
Name	OJ990530_32.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	13536	End	13752
GI	none	Score	93
Exons	13536..13751, 13537..13752		
Seq. No.	12205	Seq. ID	OJ990530_32.9C10.C6
Gene No.	25792	Strand	+
Start	1373	End	1722
Name	OJ990530_32.9C10.C6.o1.gs	Method	GENSCAN
Start	1373	End	1722
GI	none	Score	.91
Exons	1373..1480, 1635..1722		
Seq. No.	12205	Seq. ID	OJ990530_32.9C10.C6
Gene No.	25793	Strand	-
Start	1	End	1954
Name	OJ990530_32.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	1954
GI	5042454	Score	249
Exons	1..25, 1297..1673, 1930..1954		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	12206	Seq. ID	OJ990530_32.9C10.C7
Gene No.	25794	Strand	+
Start	76	End	2061
Name	OJ990530_32.9C10.C7.o1.gs	Method	GENSCAN
Start	76	End	2061
GI	none	Score	.83
Exons	76..127, 1946..2061		
Seq. No.	12206	Seq. ID	OJ990530_32.9C10.C7
Gene No.	25795	Strand	+
Start	2574	End	10776
Name	OJ990530_32.9C10.C7.o2.gs	Method	GENSCAN
Start	2574	End	10776
GI	none	Score	.62
Exons	2574..2586, 2972..3423, 3473..3702, 3791..3999, 6140..6220, 6547..6619, 10224..10352, 10662..10776		
Seq. No.	12206	Seq. ID	OJ990530_32.9C10.C7
Gene No.	25795	Strand	+
Start	2574	End	10776
Name	OJ990530_32.9C10.C7.o1.np	Method	AAT/NAP
Start	2972	End	5047
GI	2244765	Score	38
Exons	2972..3121, 5028..5047		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	12206	Seq. ID	OJ990530_32.9C10.C7
Gene No.	25796	Strand	-
Start	3739	End	5793

Name	OJ990530_32.9C10.C7.o2.np	Method	AAT/NAP
Start	3739	End	5793
GI	3075394	Score	81
Exons	3739..3962, 5767..5793		
GI Descrip.	(AC004484) beta-ketoacyl-CoA synthase (FIDDLEHEAD) [Arabidopsis thaliana] gi|3559809|emb|CAA09311| (AJ010713) fiddlehead protein [Arabidopsis thaliana]		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25797	Strand	+
Start	1557	End	2714
Name	OJ990530_32.9C10.C8.o1.gs	Method	GENSCAN
Start	1557	End	2714
GI	none	Score	.49
Exons	1557..1719, 2279..2455, 2556..2714		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25798	Strand	+
Start	4317	End	5653
Name	OJ990530_32.9C10.C8.o1.gp	Method	AAT/GAP
Start	4195	End	5653
GI	291_1.R1084	Score	2380
Exons	4195..4841, 4944..5107, 5201..5653		
GI Descrip.	'1706325/sp|P51847|DCP1_ORYSA 0.0e+00 PYRUVATE DECARBOXYLASE ISOZYME 1 (PDC) >gi_476286 (U07339) pyruvate decarboxylase 1 [Oryza sativa] >gi_1098559 (U26660) pyruvate decarboxylase [Oryza sativa]'		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25798	Strand	+
Start	4317	End	5653
Name	OJ990530_32.9C10.C8.o1.np	Method	AAT/NAP
Start	4317	End	5653
GI	1706325	Score	1800
Exons	4317..4841, 4944..5107, 5201..5653		
GI Descrip.	PYRUVATE DECARBOXYLASE ISOZYME 1 (PDC) gi|476286 (U07339) pyruvate decarboxylase 1 [Oryza sativa] gi|1098559 (U26660) pyruvate decarboxylase [Oryza sativa]		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25798	Strand	+
Start	4317	End	5653
Name	OJ990530_32.9C10.C8.o2.gs	Method	GENSCAN
Start	4317	End	5576
GI	none	Score	.79
Exons	4317..4841, 4944..5107, 5201..5576		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25798	Strand	+
Start	4317	End	5653
Name	OJ990530_32.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	4380	End	5099
GI	none	Score	576
Exons	4380..4841, 4430..4549, 4649..4834, 4896..5099, 4928..5092		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25798	Strand	+

Start	4317	End	5653
Name	OJ990530_32.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	4443	End	5648
GI	none	Score	556
Exons	4443..4841, 4445..4549, 4649..4855, 4896..5108, 4943..5107, 5198..5599, 5199..5645, 5535..5648		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25798	Strand	+
Start	4317	End	5653
Name	OJ990530_32.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	4557	End	5651
GI	none	Score	399
Exons	4557..4841, 4649..4834, 4896..5108, 4928..5119, 5198..5599, 5199..5651		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25798	Strand	+
Start	4317	End	5653
Name	OJ990530_32.9C10.C8.o3.tc	Method	TBLASTX:Cress
Start	5198	End	5408
GI	none	Score	260
Exons	5198..5401, 5199..5408, 5202..5408		

Seq. No.	12207	Seq. ID	OJ990530_32.9C10.C8
Gene No.	25798	Strand	+
Start	4317	End	5653
Name	OJ990530_32.9C10.C8.o2.tc	Method	TBLASTX:Cress
Start	5409	End	5645
GI	none	Score	369
Exons	5409..5645, 5411..5611		

Seq. No.	12208	Seq. ID	OJ990530_32.9C10.C9
Gene No.	25799	Strand	-
Start	254	End	2569
Name	OJ990530_32.9C10.C9.o1.gs	Method	GENSCAN
Start	254	End	2569
GI	none	Score	.91
Exons	254..259, 503..598, 1557..1634, 2281..2375, 2555..2569		

Seq. No.	12208	Seq. ID	OJ990530_32.9C10.C9
Gene No.	25800	Strand	-
Start	2502	End	2576
Name	OJ990530_32.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	1554	End	2576
GI	none	Score	92
Exons	1554..1637, 1555..1635, 1560..1637, 2281..2382, 2282..2374, 2457..2528, 2476..2526, 2477..2530, 2478..2537, 2519..2569, 2527..2568, 2532..2576		

Seq. No.	12208	Seq. ID	OJ990530_32.9C10.C9
Gene No.	25800	Strand	-
Start	2502	End	2576
Name	OJ990530_32.9C10.C9.o1.gp	Method	AAT/GAP
Start	2502	End	2569
GI	none	Score	124
Exons	2502..2569		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25801	Strand	+
Start	3475	End	8326
Name	OJ990530_32.9C10.C10.o1.np	Method	AAT/NAP
Start	3475	End	8326
GI	728867	Score	496
Exons	3475..3531, 3685..3771, 5532..5710, 6798..7336, 7682..7937, 8136..8326		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR gi|99694|pir||S21961 proline-rich protein APG - Arabidopsis thaliana gi|22599|emb|CAA42925| (X60377) APG [Arabidopsis thaliana]		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25801	Strand	+
Start	3475	End	8326
Name	OJ990530_32.9C10.C10.o2.gs	Method	GENSCAN
Start	5195	End	5744
GI	none	Score	.44
Exons	5195..5262, 5346..5417, 5636..5744		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25802	Strand	+
Start	37109	End	43533
Name	OJ990530_32.9C10.C10.o4.np	Method	AAT/NAP
Start	37109	End	41528
GI	4185148	Score	190
Exons	37109..37146, 41058..41528		
GI Descrip.	(AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25802	Strand	+
Start	37109	End	43533
Name	OJ990530_32.9C10.C10.o8.gs	Method	GENSCAN
Start	40390	End	43533
GI	none	Score	.72
Exons	40390..40464, 40503..40552, 40596..40714, 40984..41135, 41376..41595, 41942..42073, 42178..42264, 42622..42816, 43328..43533		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25802	Strand	+
Start	37109	End	43533
Name	OJ990530_32.9C10.C10.o5.gp	Method	AAT/GAP
Start	41316	End	41744
GI	4879320	Score	768
Exons	41316..41744		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25803	Strand	-
Start	787	End	4107
Name	OJ990530_32.9C10.C10.o1.gp	Method	AAT/GAP
Start	597	End	1634
GI	none	Score	652
Exons	597..755, 1249..1414, 1574..1634		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25803	Strand	-
Start	787	End	4107
Name	OJ990530_32.9C10.C10.o1.gs	Method	GENSCAN
Start	787	End	4107
GI	none	Score	.81
Exons	787..793, 1249..1385, 2040..2177, 2709..2858, 3006..3159, 3404..4107		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25804	Strand	-
Start	14741	End	17063
Name	OJ990530_32.9C10.C10.o5.gs	Method	GENSCAN
Start	14741	End	17063
GI	none	Score	.55
Exons	14741..14805, 15907..16823, 16900..17063		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	1574	End	2088
GI	none	Score	93
Exons	1574..1642, 1584..1673, 1728..1922, 1728..1901, 1729..1902, 2040..2087, 2041..2088		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o2.tc	Method	TBLASTX:Cress
Start	2021	End	2855
GI	none	Score	172
Exons	2021..2203, 2040..2204, 2041..2202, 2709..2855, 2713..2802		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	6812	End	7156
GI	none	Score	296
Exons	6812..7156, 6841..7086		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	6821	End	7762
GI	none	Score	314
Exons	6821..7171, 6841..7164, 7676..7762		

Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	6824	End	7156
GI	none	Score	281

Exons	6824..7156, 6841..7101		
Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o4.tm	Method	TBLASTX:Maize
Start	7172	End	8299
GI	none	Score	68
Exons	7172..7318, 7672..7926, 7673..7939, 8135..8194, 8216..8299		
Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o3.tc	Method	TBLASTX:Cress
Start	7676	End	8299
GI	none	Score	187
Exons	7676..7939, 7687..7941, 8132..8194, 8216..8299		
Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o2.np	Method	AAT/NAP
Start	26099	End	39566
GI	5420387	Score	253
Exons	26099..26423, 30454..30650, 39320..39566		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		
Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o2.gp	Method	AAT/GAP
Start	36785	End	38565
GI	3107447	Score	617
Exons	36785..37016, 37772..37887, 38480..38565		
Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o3.gp	Method	AAT/GAP
Start	38705	End	39108
GI	2311181	Score	746
Exons	38705..39108		
Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25805	Strand	-
Start	26099	End	39753
Name	OJ990530_32.9C10.C10.o4.gp	Method	AAT/GAP
Start	39393	End	39753
GI	LIB3474-002-P1-K1-C8	Score	691
Exons	39393..39753		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		
Seq. No.	12209	Seq. ID	OJ990530_32.9C10.C10
Gene No.	25806	Strand	
Start	41028	End	41425
Name	OJ990530_32.9C10.C10.o3.tm	Method	TBLASTX:Maize

Start	41028	End	41425
GI	none	Score	222
Exons	41028..41381, 41387..41425		

Seq. No.	12210	Seq. ID	OJ990530_32.9C10.C11
Gene No.	25807	Strand	+
Start	1092	End	1700
Name	OJ990530_32.9C10.C11.o1.gs	Method	GENSCAN
Start	1092	End	1700
GI	none	Score	.93
Exons	1092..1700		

Seq. No.	12210	Seq. ID	OJ990530_32.9C10.C11
Gene No.	25808	Strand	+
Start	4092	End	7360
Name	OJ990530_32.9C10.C11.o2.gs	Method	GENSCAN
Start	4092	End	6678
GI	none	Score	.88
Exons	4092..4423, 5277..5452, 6362..6678		

Seq. No.	12210	Seq. ID	OJ990530_32.9C10.C11
Gene No.	25808	Strand	+
Start	4092	End	7360
Name	OJ990530_32.9C10.C11.o1.np	Method	AAT/NAP
Start	6462	End	7360
GI	6069646	Score	355
Exons	6462..7360		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	12210	Seq. ID	OJ990530_32.9C10.C11
Gene No.	25809	Strand	-
Start	6931	End	7359
Name	OJ990530_32.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	4197	End	7359
GI	none	Score	324
Exons	4197..4409, 6856..7359, 6996..7166		

Seq. No.	12210	Seq. ID	OJ990530_32.9C10.C11
Gene No.	25809	Strand	-
Start	6931	End	7359
Name	OJ990530_32.9C10.C11.o2.tw	Method	TBLASTX:Wheat
Start	6130	End	6492
GI	none	Score	134
Exons	6130..6348, 6334..6492, 6399..6491		

Seq. No.	12210	Seq. ID	OJ990530_32.9C10.C11
Gene No.	25809	Strand	-
Start	6931	End	7359
Name	OJ990530_32.9C10.C11.o2.tm	Method	TBLASTX:Maize
Start	6175	End	6567
GI	none	Score	260
Exons	6175..6567		

Seq. No.	12210	Seq. ID	OJ990530_32.9C10.C11
Gene No.	25809	Strand	-
Start	6931	End	7359
Name	OJ990530_32.9C10.C11.o1.tw	Method	TBLASTX:Wheat
Start	6655	End	7035
GI	none	Score	238
Exons	6655..7035, 6693..7034		

Seq. No.	12210	Seq. ID	OJ990530_32.9C10.C11
Gene No.	25809	Strand	-
Start	6931	End	7359
Name	OJ990530_32.9C10.C11.o3.gs	Method	GENSCAN
Start	6931	End	7209
GI	none	Score	.99
Exons	6931..7209		

Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	1390
GI	4512618	Score	486
Exons	1..27, 338..724, 791..1390		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o1.gs	Method	GENSCAN
Start	55	End	1324
GI	none	Score	.81
Exons	55..1324		

Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	358	End	723
GI	none	Score	67
Exons	358..417, 441..497, 505..723, 513..575		

Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	481	End	723
GI	none	Score	196
Exons	481..723, 511..705		

Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	799	End	942
GI	none	Score	201

Exons	799..942, 805..939, 807..941		
Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	808	End	1095
GI	none	Score	43
Exons	808..861, 901..1095, 918..1094		
Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	943	End	1386
GI	none	Score	277
Exons	943..1386, 1230..1382		
Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	960	End	1386
GI	none	Score	297
Exons	960..1097, 961..1386, 1164..1325		
Seq. No.	12211	Seq. ID	OJ990530_32.9C10.C12
Gene No.	25810	Strand	+
Start	1	End	1390
Name	OJ990530_32.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	969	End	1374
GI	none	Score	109
Exons	969..1076, 970..1065, 1063..1374, 1078..1371		
Seq. No.	12212	Seq. ID	OJ990530_32.9C10.C13
Gene No.	25811	Strand	+
Start	1	End	1345
Name	OJ990530_32.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	1345
GI	2642431	Score	860
Exons	1..126, 284..1345		
GI Descrip.	(AC002391) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	12212	Seq. ID	OJ990530_32.9C10.C13
Gene No.	25811	Strand	+
Start	1	End	1345
Name	OJ990530_32.9C10.C13.o1.gs	Method	GENSCAN
Start	127	End	1317
GI	none	Score	.43
Exons	127..1317		
Seq. No.	12212	Seq. ID	OJ990530_32.9C10.C13
Gene No.	25811	Strand	+
Start	1	End	1345
Name	OJ990530_32.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	315	End	812

GI	5509260	Score	324
Exons	315..719, 452..568, 638..718,	726..812	
GI Descrip.	-		
Seq. No.	12212	Seq. ID	OJ990530_32.9C10.C13
Gene No.	25811	Strand	+
Start	1	End	1345
Name	OJ990530_32.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	354	End	614
GI	none	Score	233
Exons	354..614, 354..563, 362..613		
Seq. No.	12212	Seq. ID	OJ990530_32.9C10.C13
Gene No.	25811	Strand	+
Start	1	End	1345
Name	OJ990530_32.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	441	End	701
GI	none	Score	283
Exons	441..701, 446..568		
Seq. No.	12212	Seq. ID	OJ990530_32.9C10.C13
Gene No.	25811	Strand	+
Start	1	End	1345
Name	OJ990530_32.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	480	End	1016
GI	none	Score	234
Exons	480..725, 500..568, 626..724,	729..821,	816..1016
Seq. No.	12212	Seq. ID	OJ990530_32.9C10.C13
Gene No.	25811	Strand	+
Start	1	End	1345
Name	OJ990530_32.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	615	End	1055
GI	none	Score	99
Exons	615..707, 728..853, 729..1055,	881..1036	
Seq. No.	12212	Seq. ID	OJ990530_32.9C10.C13
Gene No.	25811	Strand	+
Start	1	End	1345
Name	OJ990530_32.9C10.C13.o2.ts	Method	TBLASTX:Soybean
Start	966	End	1343
GI	none	Score	277
Exons	966..1343, 1145..1273		
Seq. No.	12213	Seq. ID	OJ990430_31.9C17.C1
Gene No.	25812	Strand	+
Start	8036	End	8531
Name	OJ990430_31.9C17.C1.o3.gs	Method	GENSCAN
Start	8036	End	8531
GI	none	Score	.92
Exons	8036..8046, 8129..8531		
Seq. No.	12213	Seq. ID	OJ990430_31.9C17.C1
Gene No.	25813	Strand	-
Start	1	End	3591
Name	OJ990430_31.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	3061

GI	5777623	Score	128
Exons	1..56, 2181..2249, 2356..2397, 2464..2622, 2970..3061		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	12213	Seq. ID	OJ990430_31.9C17.C1
Gene No.	25813	Strand	-
Start	1	End	3591
Name	OJ990430_31.9C17.C1.o1.gs	Method	GENSCAN
Start	1291	End	3591
GI	none	Score	.8
Exons	1291..3591		

Seq. No.	12213	Seq. ID	OJ990430_31.9C17.C1
Gene No.	25814	Strand	-
Start	4136	End	5300
Name	OJ990430_31.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	2392	End	2593
GI	none	Score	154
Exons	2392..2586, 2414..2593		

Seq. No.	12213	Seq. ID	OJ990430_31.9C17.C1
Gene No.	25814	Strand	-
Start	4136	End	5300
Name	OJ990430_31.9C17.C1.o2.gs	Method	GENSCAN
Start	4136	End	5300
GI	none	Score	.42
Exons	4136..4281, 4504..4523, 5182..5300		

Seq. No.	12214	Seq. ID	OJ990430_31.9C17.C2
Gene No.	25815	Strand	+
Start	5455	End	6210
Name	OJ990430_31.9C17.C2.o3.gs	Method	GENSCAN
Start	5455	End	6111
GI	none	Score	1
Exons	5455..6111		

Seq. No.	12214	Seq. ID	OJ990430_31.9C17.C2
Gene No.	25815	Strand	+
Start	5455	End	6210
Name	OJ990430_31.9C17.C2.o1.gp	Method	AAT/GAP
Start	5527	End	5933
GI	3763455	Score	758
Exons	5527..5933		

Seq. No.	12214	Seq. ID	OJ990430_31.9C17.C2
Gene No.	25815	Strand	+
Start	5455	End	6210
Name	OJ990430_31.9C17.C2.o2.gp	Method	AAT/GAP
Start	5938	End	6210
GI	3763456	Score	429
Exons	5938..6210		

Seq. No.	12214	Seq. ID	OJ990430_31.9C17.C2
Gene No.	25816	Strand	-
Start	242	End	3498
Name	OJ990430_31.9C17.C2.o1.np	Method	AAT/NAP
Start	242	End	3498

GI	6539588	Score	189
Exons	242..322, 2498..2771, 3472..3498		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	12214	Seq. ID	OJ990430_31.9C17.C2
Gene No.	25817	Strand	-
Start	3809	End	4465
Name	OJ990430_31.9C17.C2.o2.gs	Method	GENSCAN
Start	3809	End	4465
GI	none	Score	.59
Exons	3809..4465		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25818	Strand	+
Start	3107	End	3218
Name	OJ990430_31.9C17.C3.o1.gp	Method	AAT/GAP
Start	3107	End	3218
GI	uC-osflcyp088b12b1	Score	138
Exons	3107..3218		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25819	Strand	+
Start	10874	End	15365
Name	OJ990430_31.9C17.C3.o3.np	Method	AAT/NAP
Start	10874	End	14104
GI	2541876	Score	568
Exons	10874..10958, 13061..14104		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25819	Strand	+
Start	10874	End	15365
Name	OJ990430_31.9C17.C3.o2.gp	Method	AAT/GAP
Start	11492	End	12723
GI	699913	Score	484
Exons	11492..11698, 12665..12723		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25819	Strand	+
Start	10874	End	15365
Name	OJ990430_31.9C17.C3.o3.gs	Method	GENSCAN
Start	11554	End	15365
GI	none	Score	.82
Exons	11554..11698, 12665..12954, 13061..14050, 14546..14677, 14769..15365		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25819	Strand	+
Start	10874	End	15365
Name	OJ990430_31.9C17.C3.o3.gp	Method	AAT/GAP
Start	13253	End	13543
GI	none	Score	578
Exons	13253..13543		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25819	Strand	+
Start	10874	End	15365
Name	OJ990430_31.9C17.C3.o4.gp	Method	AAT/GAP
Start	13913	End	14474
GI	84285_1.R1084	Score	1000
Exons	13913..14474		
GI Descrip.	'3402817/emb|CAA07704| 1.0e-27 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25820	Strand	-
Start	2224	End	10582
Name	OJ990430_31.9C17.C3.o1.gs	Method	GENSCAN
Start	2224	End	6895
GI	none	Score	.57
Exons	2224..2490, 2605..2841, 4941..5057, 5219..5340, 5877..6003, 6542..6895		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25820	Strand	-
Start	2224	End	10582
Name	OJ990430_31.9C17.C3.o1.np	Method	AAT/NAP
Start	2494	End	6925
GI	5902444	Score	550
Exons	2494..2937, 6434..6925		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25820	Strand	-
Start	2224	End	10582
Name	OJ990430_31.9C17.C3.o2.np	Method	AAT/NAP
Start	4492	End	8490
GI	5902444	Score	251
Exons	4492..4553, 6428..6987, 8380..8490		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25820	Strand	-
Start	2224	End	10582
Name	OJ990430_31.9C17.C3.o2.gs	Method	GENSCAN
Start	7330	End	10582
GI	none	Score	.55
Exons	7330..8143, 8253..8444, 8734..8800, 10285..10434, 10564..10582		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25821	Strand	-
Start	16686	End	16899
Name	OJ990430_31.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	2228	End	2517
GI	none	Score	160
Exons	2228..2494, 2233..2517		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25821	Strand	-
Start	16686	End	16899
Name	OJ990430_31.9C17.C3.o3.tw	Method	TBLASTX:Wheat

Start	2566	End	6617
GI	none	Score	87
Exons	2566..2910, 2689..2898, 2723..2908, 6452..6613, 6501..6617		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25821	Strand	-
Start	16686	End	16899
Name	OJ990430_31.9C17.C3.o4.tm	Method	TBLASTX:Maize
Start	3684	End	14759
GI	none	Score	67
Exons	3684..3878, 13124..13174, 13124..13177, 13175..13276, 13195..13266, 13298..13441, 14552..14641, 14721..14759		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25821	Strand	-
Start	16686	End	16899
Name	OJ990430_31.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	13100	End	15362
GI	none	Score	76
Exons	13100..13174, 13187..13276, 13313..13441, 13495..13587, 13511..13588, 13733..13966, 13747..13962, 13975..14064, 13976..14101, 14567..14653, 14640..14699, 14721..14846, 14925..14978, 15008..15223, 15033..15227, 15231..15362, 15236..15346		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25821	Strand	-
Start	16686	End	16899
Name	OJ990430_31.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	13700	End	15368
GI	none	Score	150
Exons	13700..13849, 13708..13848, 13849..14097, 13850..14104, 14961..15110, 14978..15109, 15110..15325, 15111..15368, 15114..15368		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25821	Strand	-
Start	16686	End	16899
Name	OJ990430_31.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	13727	End	15362
GI	none	Score	209
Exons	13727..13963, 13976..14101, 15008..15223, 15033..15224, 15231..15362, 15236..15331		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25821	Strand	-
Start	16686	End	16899
Name	OJ990430_31.9C17.C3.o3.tm	Method	TBLASTX:Maize
Start	16606	End	16899
GI	none	Score	101
Exons	16606..16707, 16712..16855, 16717..16899, 16727..16864		

Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25821	Strand	-
Start	16686	End	16899
Name	OJ990430_31.9C17.C3.o4.gs	Method	GENSCAN
Start	16686	End	16761

GI	none	Score	.84
Exons	16686..16761		
Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25822	Strand	
Start	16976	End	17463
Name	OJ990430_31.9C17.C3.o2.tw	Method	TBLASTX:Wheat
Start	16976	End	17346
GI	none	Score	131
Exons	16976..17197, 16978..17103, 17155..17346		
Seq. No.	12215	Seq. ID	OJ990430_31.9C17.C3
Gene No.	25822	Strand	
Start	16976	End	17463
Name	OJ990430_31.9C17.C3.o2.tm	Method	TBLASTX:Maize
Start	17084	End	17463
GI	none	Score	64
Exons	17084..17197, 17155..17202, 17197..17463, 17279..17461		
Seq. No.	12216	Seq. ID	OJ990430_31.9C17.C4
Gene No.	25823	Strand	-
Start	282	End	1998
Name	OJ990430_31.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	963
GI	none	Score	62
Exons	1..963, 121..273, 334..480, 446..940		
Seq. No.	12216	Seq. ID	OJ990430_31.9C17.C4
Gene No.	25823	Strand	-
Start	282	End	1998
Name	OJ990430_31.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	43	End	396
GI	none	Score	227
Exons	43..396		
Seq. No.	12216	Seq. ID	OJ990430_31.9C17.C4
Gene No.	25823	Strand	-
Start	282	End	1998
Name	OJ990430_31.9C17.C4.o3.tw	Method	TBLASTX:Wheat
Start	253	End	597
GI	none	Score	35
Exons	253..333, 325..477, 341..373, 482..595, 493..597		
Seq. No.	12216	Seq. ID	OJ990430_31.9C17.C4
Gene No.	25823	Strand	-
Start	282	End	1998
Name	OJ990430_31.9C17.C4.o1.gs	Method	GENSCAN
Start	282	End	1998
GI	none	Score	.79
Exons	282..1998		
Seq. No.	12216	Seq. ID	OJ990430_31.9C17.C4
Gene No.	25823	Strand	-
Start	282	End	1998
Name	OJ990430_31.9C17.C4.o2.tw	Method	TBLASTX:Wheat
Start	598	End	909
GI	none	Score	190

Exons	598..663, 601..909, 638..889, 691..894		
Seq. No.	12216	Seq. ID	OJ990430_31.9C17.C4
Gene No.	25823	Strand	-
Start	282	End	1998
Name	OJ990430_31.9C17.C4.o2.tm	Method	TBLASTX:Maize
Start	1102	End	1872
GI	none	Score	46
Exons	1102..1179, 1156..1347, 1321..1815, 1834..1872		
Seq. No.	12216	Seq. ID	OJ990430_31.9C17.C4
Gene No.	25823	Strand	-
Start	282	End	1998
Name	OJ990430_31.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	1240	End	1653
GI	none	Score	135
Exons	1240..1653, 1241..1651		
Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25824	Strand	+
Start	24205	End	25546
Name	OJ990430_31.9C17.C5.o1.np	Method	AAT/NAP
Start	24205	End	25546
GI	5734635	Score	955
Exons	24205..24315, 24368..24624, 24811..25546		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		
Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25825	Strand	-
Start	154	End	901
Name	OJ990430_31.9C17.C5.o1.gs	Method	GENSCAN
Start	154	End	901
GI	none	Score	.72
Exons	154..303, 505..727, 809..901		
Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25826	Strand	-
Start	5953	End	6455
Name	OJ990430_31.9C17.C5.o1.gp	Method	AAT/GAP
Start	5953	End	6455
GI	6547_4.R1084	Score	575
Exons	5953..6327, 6409..6455		
GI Descrip.	'3402817/emb|CAA07704| 1.0e-18 (AJ007829) lacZ'' [Cloning vector pGreen]'		
Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25827	Strand	-
Start	12338	End	12946
Name	OJ990430_31.9C17.C5.o3.gs	Method	GENSCAN
Start	12338	End	12946
GI	none	Score	.68
Exons	12338..12946		
Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25828	Strand	-
Start	15351	End	17831
Name	OJ990430_31.9C17.C5.o2.tm	Method	TBLASTX:Maize

Start	935	End	1264
GI	none	Score	172
Exons	935..1153, 936..1196, 1223..1264		

Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25828	Strand	-
Start	15351	End	17831
Name	OJ990430_31.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	6485	End	6841
GI	none	Score	73
Exons	6485..6532, 6486..6605, 6487..6534, 6556..6624, 6625..6819, 6635..6823, 6734..6841		

Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25828	Strand	-
Start	15351	End	17831
Name	OJ990430_31.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	10202	End	16850
GI	none	Score	212
Exons	10202..10426, 10276..10401, 16620..16850, 16621..16833		

Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25828	Strand	-
Start	15351	End	17831
Name	OJ990430_31.9C17.C5.o4.gs	Method	GENSCAN
Start	15351	End	17807
GI	none	Score	1
Exons	15351..17807		

Seq. No.	12217	Seq. ID	OJ990430_31.9C17.C5
Gene No.	25828	Strand	-
Start	15351	End	17831
Name	OJ990430_31.9C17.C5.o2.gp	Method	AAT/GAP
Start	17455	End	17831
GI	569598	Score	723
Exons	17455..17831		

Seq. No.	12218	Seq. ID	OJ990430_31.9C17.C6
Gene No.	25829	Strand	-
Start	890	End	1689
Name	OJ990430_31.9C17.C6.o1.gs	Method	GENSCAN
Start	890	End	1555
GI	none	Score	.99
Exons	890..1555		

Seq. No.	12218	Seq. ID	OJ990430_31.9C17.C6
Gene No.	25829	Strand	-
Start	890	End	1689
Name	OJ990430_31.9C17.C6.o2.gp	Method	AAT/GAP
Start	1201	End	1689
GI	uC-osflcyp033a10b1	Score	946
Exons	1201..1689		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	12218	Seq. ID	OJ990430_31.9C17.C6
Gene No.	25830	Strand	-

Start	2585	End	2735
Name	OJ990430_31.9C17.C6.o3.gp	Method	AAT/GAP
Start	2585	End	2735
GI	5771114	Score	278
Exons	2585..2735		

Seq. No.	12219	Seq. ID	OJ990430_31.9C17.C7
Gene No.	25831	Strand	+
Start	325	End	1050
Name	OJ990430_31.9C17.C7.o1.gs	Method	GENSCAN
Start	325	End	1050
GI	none	Score	.99
Exons	325..1050		

Seq. No.	12219	Seq. ID	OJ990430_31.9C17.C7
Gene No.	25832	Strand	+
Start	1919	End	3508
Name	OJ990430_31.9C17.C7.o2.gs	Method	GENSCAN
Start	1919	End	3508
GI	none	Score	.49
Exons	1919..1971, 2991..3090, 3368..3508		

Seq. No.	12220	Seq. ID	OJ990430_31.9C17.C8
Gene No.	25833	Strand	-
Start	1416	End	1579
Name	OJ990430_31.9C17.C8.o1.gs	Method	GENSCAN
Start	1416	End	1579
GI	none	Score	.43
Exons	1416..1579		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25834	Strand	+
Start	4189	End	6894
Name	OJ990430_31.9C17.C9.o1.gp	Method	AAT/GAP
Start	4146	End	5143
GI	none	Score	867
Exons	4146..4354, 4882..5143		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25834	Strand	+
Start	4189	End	6894
Name	OJ990430_31.9C17.C9.o2.gs	Method	GENSCAN
Start	4189	End	6894
GI	none	Score	.79
Exons	4189..4354, 4882..5168, 5863..6894		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25834	Strand	+
Start	4189	End	6894
Name	OJ990430_31.9C17.C9.o3.np	Method	AAT/NAP
Start	4446	End	6894
GI	2541876	Score	479
Exons	4446..4478, 5890..6894		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9

Gene No.	25835	Strand	-
Start	710	End	2547
Name	OJ990430_31.9C17.C9.o1.gs	Method	GENSCAN
Start	710	End	2547
GI	none	Score	.56
Exons	710..806, 1291..1476, 1636..1815, 2041..2194, 2406..2547		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	1285	End	1565
GI	none	Score	132
Exons	1285..1560, 1287..1565		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	1506	End	1895
GI	none	Score	65
Exons	1506..1682, 1522..1671, 1719..1895		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	2007	End	2371
GI	none	Score	87
Exons	2007..2177, 2011..2169, 2198..2371, 2202..2369		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	2055	End	2494
GI	none	Score	52
Exons	2055..2249, 2056..2148, 2198..2494, 2202..2324, 2358..2492		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o5.tm	Method	TBLASTX:Maize
Start	4870	End	6462
GI	none	Score	84
Exons	4870..5004, 5920..5970, 5971..6072, 6109..6225, 6268..6369, 6349..6462		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	5917	End	6891
GI	none	Score	74
Exons	5917..5970, 5983..6072, 6108..6224, 6109..6234, 6268..6351, 6270..6350, 6513..6758, 6514..6759, 6760..6891		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	6490	End	6894
GI	none	Score	147
Exons	6490..6639, 6507..6641, 6573..6650, 6649..6894, 6651..6893		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	6517	End	6891
GI	none	Score	173
Exons	6517..6759, 6760..6891		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o4.np	Method	AAT/NAP
Start	7687	End	8126
GI	6907106	Score	336
Exons	7687..7855, 7893..8126		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o4.tm	Method	TBLASTX:Maize
Start	7786	End	8119
GI	none	Score	57
Exons	7786..7830, 7786..7842, 7866..7931, 7869..7931, 7884..7916, 7896..7937, 7896..7943, 7897..7944, 7906..7992, 7908..8045, 7944..8117, 7947..8102, 7948..8118, 7958..8119		

Seq. No.	12221	Seq. ID	OJ990430_31.9C17.C9
Gene No.	25836	Strand	-
Start	7687	End	8126
Name	OJ990430_31.9C17.C9.o2.gp	Method	AAT/GAP
Start	7945	End	8126
GI	none	Score	364
Exons	7945..8126		

Seq. No.	12222	Seq. ID	OJ990430_31.9C17.C10
Gene No.	25837	Strand	+
Start	66	End	680
Name	OJ990430_31.9C17.C10.o1.gs	Method	GENSCAN
Start	66	End	680
GI	none	Score	.94
Exons	66..680		

Seq. No.	12223	Seq. ID	OJ990430_31.9C17.C11
Gene No.	25838	Strand	+
Start	80	End	576
Name	OJ990430_31.9C17.C11.o1.gs	Method	GENSCAN
Start	80	End	576

GI	none	Score	.72
Exons	80..107, 446..576		

Seq. No.	12224	Seq. ID	OJ990430_31.9C17.C12
Gene No.	25839	Strand	+
Start	281	End	550
Name	OJ990430_31.9C17.C12.o1.gs	Method	GENSCAN
Start	281	End	550
GI	none	Score	.85
Exons	281..550		

Seq. No.	12224	Seq. ID	OJ990430_31.9C17.C12
Gene No.	25840	Strand	-
Start	1	End	492
Name	OJ990430_31.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	492
GI	6063557	Score	245
Exons	1..67, 316..492		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	12224	Seq. ID	OJ990430_31.9C17.C12
Gene No.	25841	Strand	-
Start	2788	End	2974
Name	OJ990430_31.9C17.C12.o2.gs	Method	GENSCAN
Start	2788	End	2974
GI	none	Score	.68
Exons	2788..2974		

Seq. No.	12225	Seq. ID	OJ990430_31.9C17.C13
Gene No.	25842	Strand	-
Start	223	End	974
Name	OJ990430_31.9C17.C13.o1.np	Method	AAT/NAP
Start	223	End	974
GI	6721516	Score	242
Exons	223..394, 804..974		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12226	Seq. ID	OJ990430_31.9C17.C14
Gene No.	25843	Strand	+
Start	533	End	1614
Name	OJ990430_31.9C17.C14.o2.np	Method	AAT/NAP
Start	533	End	1614
GI	4572679	Score	27
Exons	533..594, 697..856, 1577..1614		
GI Descrip.	(AC006954) putative RSZp22 splicing factor [Arabidopsis thaliana]		

Seq. No.	12227	Seq. ID	OJ990430_31.9C17.C16
Gene No.	25844	Strand	-
Start	9	End	123
Name	OJ990430_31.9C17.C16.o1.gs	Method	GENSCAN
Start	9	End	123
GI	none	Score	.94
Exons	9..123		

Seq. No.	12228	Seq. ID	OJ990430_31.9C17.C17
Gene No.	25845	Strand	-

Start	1	End	185
Name	OJ990430_31.9C17.C17.o1.np	Method	AAT/NAP
Start	1	End	185
GI	114612	Score	292
Exons	1..185		
GI Descrip.	ATP SYNTHASE EPSILON CHAIN gi|67869|pir||PWWTE H+-transporting ATP synthase (EC 3.6.1.34) epsilon chain - wheat chloroplast gi|343678 (M16843) ATP synthase epsilon subunit [Triticum aestivum] gi|343982|dbj|BAA01871| (D11098) 'ATP synthase epsilon subunit' [Aegilops columnaris] gi|343985|dbj|BAA01873| (D11099) 'ATP synthase epsilon subunit' [Aegilops crassa] gi|13343		

Seq. No.	12228	Seq. ID	OJ990430_31.9C17.C17
Gene No.	25845	Strand	-
Start	1	End	185
Name	OJ990430_31.9C17.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	165
GI	none	Score	149
Exons	1..111, 2..127, 3..128, 96..164, 118..165, 118..165		

Seq. No.	12228	Seq. ID	OJ990430_31.9C17.C17
Gene No.	25845	Strand	-
Start	1	End	185
Name	OJ990430_31.9C17.C17.o1.ts	Method	TBLASTX:Soybean
Start	2	End	185
GI	none	Score	191
Exons	2..184, 3..185		

Seq. No.	12229	Seq. ID	OJ990430_31.9C17.C18
Gene No.	25846	Strand	+
Start	131	End	278
Name	OJ990430_31.9C17.C18.o1.gs	Method	GENSCAN
Start	131	End	278
GI	none	Score	.87
Exons	131..278		

Seq. No.	12230	Seq. ID	OJ990430_31.9C17.C19
Gene No.	25847	Strand	+
Start	1	End	483
Name	OJ990430_31.9C17.C19.o1.np	Method	AAT/NAP
Start	1	End	483
GI	552857	Score	716
Exons	1..483		
GI Descrip.	(M31464) atpB gene product [Oryza sativa]		

Seq. No.	12230	Seq. ID	OJ990430_31.9C17.C19
Gene No.	25847	Strand	+
Start	1	End	483
Name	OJ990430_31.9C17.C19.o1.tc	Method	TBLASTX:Cress
Start	5	End	483
GI	none	Score	65
Exons	5..46, 7..39, 29..481, 30..482, 325..483		

Seq. No.	12230	Seq. ID	OJ990430_31.9C17.C19
Gene No.	25847	Strand	+
Start	1	End	483
Name	OJ990430_31.9C17.C19.o1.ts	Method	TBLASTX:Soybean

Start	5	End	483
GI	none	Score	65
Exons	5..46, 5..49, 29..481, 30..482, 58..483, 325..483		

Seq. No.	12230	Seq. ID	OJ990430_31.9C17.C19
Gene No.	25847	Strand	+
Start	1	End	483
Name	OJ990430_31.9C17.C19.o1.gs	Method	GENSCAN
Start	78	End	430
GI	none	Score	.45
Exons	78..430		

Seq. No.	12230	Seq. ID	OJ990430_31.9C17.C19
Gene No.	25847	Strand	+
Start	1	End	483
Name	OJ990430_31.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	87	End	483
GI	none	Score	627
Exons	87..482, 89..481, 325..483		

Seq. No.	12230	Seq. ID	OJ990430_31.9C17.C19
Gene No.	25847	Strand	+
Start	1	End	483
Name	OJ990430_31.9C17.C19.o1.tw	Method	TBLASTX:Wheat
Start	258	End	482
GI	none	Score	248
Exons	258..482, 281..481		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25848	Strand	+
Start	1703	End	5443
Name	OJ990430_31.9C17.C21.o1.gs	Method	GENSCAN
Start	1703	End	5443
GI	none	Score	.65
Exons	1703..1752, 2017..2329, 3061..3412, 3765..3937, 4015..4351, 5025..5443		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25849	Strand	+
Start	10994	End	12847
Name	OJ990430_31.9C17.C21.o3.gs	Method	GENSCAN
Start	10994	End	12847
GI	none	Score	.77
Exons	10994..11164, 11474..11578, 12401..12847		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25849	Strand	+
Start	10994	End	12847
Name	OJ990430_31.9C17.C21.o2.np	Method	AAT/NAP
Start	11027	End	12455
GI	6907088	Score	1104
Exons	11027..11164, 11340..11578, 12072..12455		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520

Name	OJ990430_31.9C17.C21.o2.gs	Method	GENSCAN
Start	5513	End	9810
GI	none	Score	.89
Exons	5513..6230, 7612..7722, 7875..8776, 9184..9810		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o3.tw	Method	TBLASTX:Wheat
Start	5639	End	5846
GI	none	Score	97
Exons	5639..5842, 5673..5846		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o4.tm	Method	TBLASTX:Maize
Start	5685	End	6053
GI	none	Score	69
Exons	5685..5819, 5690..5986, 5705..6049, 5961..6053		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o2.ts	Method	TBLASTX:Soybean
Start	5708	End	8413
GI	none	Score	55
Exons	5708..6214, 5751..5882, 5961..6113, 7684..7785, 8162..8413		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o3.tm	Method	TBLASTX:Maize
Start	6104	End	8609
GI	none	Score	157
Exons	6104..6202, 7729..7872, 8213..8482, 8214..8483, 8251..8484, 8440..8496, 8482..8544, 8487..8519, 8531..8605, 8540..8608, 8541..8609		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o1.np	Method	AAT/NAP
Start	8128	End	11520
GI	6630685	Score	1791
Exons	8128..9895, 11290..11520		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o1.tm	Method	TBLASTX:Maize
Start	8651	End	9105
GI	none	Score	76
Exons	8651..8773, 8658..8774, 8659..8766, 8666..8815, 8800..9105, 8801..9103, 8989..9105		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o1.tw	Method	TBLASTX:Wheat
Start	8779	End	9234
GI	none	Score	86
Exons	8779..8949, 8800..9126, 8801..9118, 8983..9120, 9163..9234		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o1.ts	Method	TBLASTX:Soybean
Start	8800	End	9378
GI	5509260	Score	382
Exons	8800..9378, 8801..9286		
GI Descrip.	-		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o5.tm	Method	TBLASTX:Maize
Start	9106	End	9384
GI	none	Score	53
Exons	9106..9162, 9107..9163, 9110..9367, 9151..9369, 9163..9384		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o2.tm	Method	TBLASTX:Maize
Start	9385	End	9895
GI	none	Score	141
Exons	9385..9570, 9553..9873, 9565..9894, 9653..9895		

Seq. No.	12231	Seq. ID	OJ990430_31.9C17.C21
Gene No.	25850	Strand	-
Start	5513	End	11520
Name	OJ990430_31.9C17.C21.o2.tw	Method	TBLASTX:Wheat
Start	9490	End	9831
GI	none	Score	61
Exons	9490..9579, 9594..9737, 9601..9747, 9604..9738, 9754..9831, 9764..9829		

Seq. No.	12232	Seq. ID	OJ990430_31.9C17.C22
Gene No.	25851	Strand	+
Start	132	End	1310
Name	OJ990430_31.9C17.C22.o1.gs	Method	GENSCAN
Start	132	End	1310
GI	none	Score	.58
Exons	132..224, 1236..1310		

Seq. No.	12232	Seq. ID	OJ990430_31.9C17.C22
Gene No.	25852	Strand	-
Start	822	End	1880
Name	OJ990430_31.9C17.C22.o1.np	Method	AAT/NAP
Start	822	End	1880
GI	3645899	Score	913

Exons	822..1880		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		
Seq. No.	12232	Seq. ID	OJ990430_31.9C17.C22
Gene No.	25852	Strand	-
Start	822	End	1880
Name	OJ990430_31.9C17.C22.o1.tm	Method	TBLASTX:Maize
Start	824	End	1328
GI	none	Score	163
Exons	824..1327, 846..1079, 1140..1328		
Seq. No.	12232	Seq. ID	OJ990430_31.9C17.C22
Gene No.	25852	Strand	-
Start	822	End	1880
Name	OJ990430_31.9C17.C22.o1.ts	Method	TBLASTX:Soybean
Start	875	End	1276
GI	none	Score	51
Exons	875..1171, 1184..1276		
Seq. No.	12232	Seq. ID	OJ990430_31.9C17.C22
Gene No.	25852	Strand	-
Start	822	End	1880
Name	OJ990430_31.9C17.C22.o1.tw	Method	TBLASTX:Wheat
Start	896	End	1467
GI	none	Score	100
Exons	896..1072, 905..1183, 906..1076, 1183..1221, 1187..1210, 1223..1384, 1242..1385, 1375..1467		
Seq. No.	12232	Seq. ID	OJ990430_31.9C17.C22
Gene No.	25852	Strand	-
Start	822	End	1880
Name	OJ990430_31.9C17.C22.o3.tm	Method	TBLASTX:Maize
Start	1331	End	1569
GI	none	Score	85
Exons	1331..1384, 1358..1510, 1364..1504, 1378..1506, 1501..1569		
Seq. No.	12232	Seq. ID	OJ990430_31.9C17.C22
Gene No.	25852	Strand	-
Start	822	End	1880
Name	OJ990430_31.9C17.C22.o2.tm	Method	TBLASTX:Maize
Start	1582	End	1871
GI	none	Score	65
Exons	1582..1740, 1640..1729, 1722..1871, 1795..1863		
Seq. No.	12233	Seq. ID	OJ990520_25.9C17.C1
Gene No.	25853	Strand	+
Start	1	End	789
Name	OJ990520_25.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	789
GI	6069653	Score	497
Exons	1..466, 499..789		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	12233	Seq. ID	OJ990520_25.9C17.C1
Gene No.	25853	Strand	+
Start	1	End	789
Name	OJ990520_25.9C17.C1.o1.gs	Method	GENSCAN

Start	76	End	763
GI	none	Score	.61
Exons	76..104, 130..763		

Seq. No.	12234	Seq. ID	OJ990520_25.9C17.C2
Gene No.	25854	Strand	-
Start	2297	End	5824
Name	OJ990520_25.9C17.C2.o1.gs	Method	GENSCAN
Start	2297	End	5824
GI	none	Score	.58
Exons	2297..2411, 3176..3332, 3616..4036, 4231..4269, 5783..5824		

Seq. No.	12234	Seq. ID	OJ990520_25.9C17.C2
Gene No.	25854	Strand	-
Start	2297	End	5824
Name	OJ990520_25.9C17.C2.o1.gp	Method	AAT/GAP
Start	4324	End	4623
GI	none	Score	592
Exons	4324..4623		

Seq. No.	12235	Seq. ID	OJ990520_25.9C17.C3
Gene No.	25855	Strand	+
Start	1398	End	1476
Name	OJ990520_25.9C17.C3.o1.gs	Method	GENSCAN
Start	1398	End	1476
GI	none	Score	.42
Exons	1398..1476		

Seq. No.	12235	Seq. ID	OJ990520_25.9C17.C3
Gene No.	25856	Strand	+
Start	3064	End	3410
Name	OJ990520_25.9C17.C3.o1.gp	Method	AAT/GAP
Start	3064	End	3410
GI	none	Score	671
Exons	3064..3410		

Seq. No.	12235	Seq. ID	OJ990520_25.9C17.C3
Gene No.	25857	Strand	-
Start	3483	End	4362
Name	OJ990520_25.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	3483	End	4355
GI	none	Score	78
Exons	3483..3623, 3486..3578, 3487..3624, 3690..3938, 3721..3939, 4005..4172, 4006..4155, 4173..4256, 4201..4248, 4263..4355, 4269..4355		

Seq. No.	12235	Seq. ID	OJ990520_25.9C17.C3
Gene No.	25857	Strand	-
Start	3483	End	4362
Name	OJ990520_25.9C17.C3.o2.gs	Method	GENSCAN
Start	3483	End	4265
GI	none	Score	.82
Exons	3483..4265		

Seq. No.	12235	Seq. ID	OJ990520_25.9C17.C3
Gene No.	25857	Strand	-
Start	3483	End	4362

Name	OJ990520_25.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	3483	End	4362
GI	none	Score	82
Exons	3483..3623, 3484..3624, 3708..3938, 3960..4169, 4182..4355, 4207..4362		

Seq. No.	12235	Seq. ID	OJ990520_25.9C17.C3
Gene No.	25857	Strand	-
Start	3483	End	4362
Name	OJ990520_25.9C17.C3.o1.np	Method	AAT/NAP
Start	3486	End	4268
GI	4056615	Score	588
Exons	3486..4268		
GI Descrip.	(AF067401) Scl1 protein [Oryza sativa]		

Seq. No.	12235	Seq. ID	OJ990520_25.9C17.C3
Gene No.	25857	Strand	-
Start	3483	End	4362
Name	OJ990520_25.9C17.C3.o2.gp	Method	AAT/GAP
Start	3719	End	4137
GI	none	Score	759
Exons	3719..4137		

Seq. No.	12236	Seq. ID	OJ990520_25.9C17.C4
Gene No.	25858	Strand	-
Start	16	End	733
Name	OJ990520_25.9C17.C4.o1.gs	Method	GENSCAN
Start	16	End	733
GI	none	Score	.55
Exons	16..158, 243..422, 598..733		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25859	Strand	+
Start	6492	End	6568
Name	OJ990520_25.9C17.C5.o1.gp	Method	AAT/GAP
Start	6492	End	6568
GI	4879971	Score	88
Exons	6492..6568		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25860	Strand	+
Start	13882	End	14505
Name	OJ990520_25.9C17.C5.o2.gp	Method	AAT/GAP
Start	13882	End	14505
GI	none	Score	683
Exons	13882..14106, 14237..14323, 14410..14505		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25861	Strand	-
Start	5538	End	12256
Name	OJ990520_25.9C17.C5.o1.np	Method	AAT/NAP
Start	5538	End	10838
GI	6466937	Score	2263
Exons	5538..5561, 6887..10250, 10278..10838		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25861	Strand	-
Start	5538	End	12256
Name	OJ990520_25.9C17.C5.o2.gs	Method	GENSCAN
Start	6726	End	12256
GI	none	Score	.43
Exons	6726..6899, 6972..8511, 8649..11251, 11289..11415, 11686..11887, 11972..12117, 12153..12256		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	6589	End	7214
GI	none	Score	40
Exons	6589..6612, 6742..6789, 6744..6788, 6789..7214, 6889..7074		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o5.tw	Method	TBLASTX:Wheat
Start	6886	End	7052
GI	none	Score	93
Exons	6886..7050, 6888..7052, 6889..7044		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o3.tw	Method	TBLASTX:Wheat
Start	7053	End	7637
GI	none	Score	95
Exons	7053..7142, 7260..7637, 7306..7542		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	7260	End	7892
GI	none	Score	407
Exons	7260..7778, 7267..7890, 7588..7797, 7830..7892		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	7485	End	7776
GI	none	Score	153
Exons	7485..7775, 7486..7776		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o4.tw	Method	TBLASTX:Wheat
Start	7725	End	8120
GI	none	Score	145
Exons	7725..7778, 7726..7983, 7726..7884, 7830..8030, 7836..8120		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	8010	End	8636
GI	none	Score	271
Exons	8010..8126, 8109..8516, 8149..8493, 8492..8635, 8499..8636		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	8504	End	8869
GI	none	Score	130
Exons	8504..8869, 8505..8822, 8528..8845		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	8582	End	8941
GI	none	Score	81
Exons	8582..8941, 8595..8870		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o5.tm	Method	TBLASTX:Maize
Start	8639	End	8861
GI	none	Score	123
Exons	8639..8860, 8642..8860, 8646..8861		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	8864	End	9337
GI	none	Score	312
Exons	8864..9337, 8865..9296		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	8918	End	9400
GI	none	Score	127
Exons	8918..9400, 8960..9280, 8976..9296		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o3.ts	Method	TBLASTX:Soybean
Start	9050	End	9364
GI	none	Score	207
Exons	9050..9364		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5

Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o6.tm	Method	TBLASTX:Maize
Start	9635	End	9940
GI	none	Score	102
Exons	9635..9808, 9635..9940		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o6.tw	Method	TBLASTX:Wheat
Start	13951	End	14433
GI	none	Score	145
Exons	13951..14106, 13954..14103, 14237..14323, 14239..14322, 14404..14433		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o7.tm	Method	TBLASTX:Maize
Start	13957	End	14520
GI	none	Score	76
Exons	13957..14028, 13969..14067, 14017..14106, 14062..14103, 14237..14323, 14239..14322, 14391..14495, 14396..14494, 14404..14520, 14407..14496, 14448..14501		

Seq. No.	12237	Seq. ID	OJ990520_25.9C17.C5
Gene No.	25862	Strand	-
Start	14143	End	14541
Name	OJ990520_25.9C17.C5.o3.gs	Method	GENSCAN
Start	14143	End	14541
GI	none	Score	.83
Exons	14143..14376, 14413..14541		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25863	Strand	+
Start	752	End	1030
Name	OJ990520_25.9C17.C6.o1.gp	Method	AAT/GAP
Start	752	End	1030
GI	none	Score	513
Exons	752..1030		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25864	Strand	+
Start	11283	End	11765
Name	OJ990520_25.9C17.C6.o4.gs	Method	GENSCAN
Start	11283	End	11765
GI	none	Score	.56
Exons	11283..11360, 11400..11765		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25865	Strand	-
Start	1763	End	2251
Name	OJ990520_25.9C17.C6.o1.gs	Method	GENSCAN
Start	1763	End	2251
GI	none	Score	1
Exons	1763..2251		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25866	Strand	-
Start	4426	End	4957
Name	OJ990520_25.9C17.C6.o2.gp	Method	AAT/GAP
Start	4234	End	4957
GI	586_1.R1084	Score	1390
Exons	4234..4957		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25866	Strand	-
Start	4426	End	4957
Name	OJ990520_25.9C17.C6.o2.gs	Method	GENSCAN
Start	4426	End	4866
GI	none	Score	1
Exons	4426..4866		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25866	Strand	-
Start	4426	End	4957
Name	OJ990520_25.9C17.C6.o1.np	Method	AAT/NAP
Start	4429	End	4866
GI	1084462	Score	786
Exons	4429..4866		
GI Descrip.	RCg2 protein - rice gi|786130 (L27209) RCc2 [Oryza sativa] gi|786134 (L27210) root-specific protein [Oryza sativa]		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25867	Strand	-
Start	8793	End	9220
Name	OJ990520_25.9C17.C6.o3.gs	Method	GENSCAN
Start	8793	End	9220
GI	none	Score	.96
Exons	8793..8932, 9064..9220		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25867	Strand	-
Start	8793	End	9220
Name	OJ990520_25.9C17.C6.o2.np	Method	AAT/NAP
Start	8796	End	9220
GI	1084462	Score	508
Exons	8796..9220		
GI Descrip.	RCg2 protein - rice gi|786130 (L27209) RCc2 [Oryza sativa] gi|786134 (L27210) root-specific protein [Oryza sativa]		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25868	Strand	-
Start	10476	End	15372
Name	OJ990520_25.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	1772	End	13894
GI	none	Score	145
Exons	1772..1834, 1853..1885, 2021..2053, 4429..4527, 4630..4677, 8796..8873, 8874..8936, 8951..9046, 13526..13894, 13527..13796		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6

Gene No.	25868	Strand	-
Start	10476	End	15372
Name	OJ990520_25.9C17.C6.o1.tc	Method	TBLASTX:Cress
Start	1775	End	13828
GI	none	Score	95
Exons	1775..1834, 1853..1885, 2021..2053, 4426..4527, 4594..4677, 8793..8873, 8874..8936, 8951..9046, 13541..13702, 13551..13703, 13688..13828, 13704..13787		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25868	Strand	-
Start	10476	End	15372
Name	OJ990520_25.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	1775	End	13898
GI	none	Score	64
Exons	1775..1834, 1839..1943, 1853..1885, 2021..2053, 4429..4527, 4430..4522, 4627..4677, 4631..4678, 4777..4803, 4778..4804, 8796..8873, 8797..8874, 8874..8936, 8885..8929, 8996..9046, 9000..9047, 13544..13705, 13545..13703, 13742..13840, 13746..13898, 13805..13888		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25868	Strand	-
Start	10476	End	15372
Name	OJ990520_25.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	1775	End	13793
GI	none	Score	59
Exons	1775..1834, 4429..4518, 4630..4671, 4630..4671, 8796..8873, 8802..8873, 8803..8874, 8874..8936, 8999..9040, 8999..9040, 13544..13702, 13550..13702, 13551..13703, 13745..13780, 13745..13786, 13746..13793		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25868	Strand	-
Start	10476	End	15372
Name	OJ990520_25.9C17.C6.o3.gp	Method	AAT/GAP
Start	10476	End	15372
GI	LIB3477-003-P1-K1-E9	Score	88
Exons	10476..10511, 11884..11935, 15342..15372		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORYS 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	12238	Seq. ID	OJ990520_25.9C17.C6
Gene No.	25868	Strand	-
Start	10476	End	15372
Name	OJ990520_25.9C17.C6.o5.gs	Method	GENSCAN
Start	13541	End	13936
GI	none	Score	.99
Exons	13541..13936		

Seq. No.	12239	Seq. ID	OJ990520_25.9C17.C7
Gene No.	25869	Strand	+
Start	561	End	1644
Name	OJ990520_25.9C17.C7.o1.gs	Method	GENSCAN
Start	561	End	1644
GI	none	Score	.89

Exons	561..650, 1082..1238, 1356..1644		
Seq. No.	12239	Seq. ID	OJ990520_25.9C17.C7
Gene No.	25870	Strand	-
Start	1384	End	1683
Name	OJ990520_25.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	1367	End	1683
GI	none	Score	69
Exons	1367..1465, 1384..1542, 1411..1467, 1445..1549, 1528..1635, 1573..1683		
Seq. No.	12239	Seq. ID	OJ990520_25.9C17.C7
Gene No.	25870	Strand	-
Start	1384	End	1683
Name	OJ990520_25.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	1381	End	1629
GI	none	Score	101
Exons	1381..1542, 1391..1543, 1528..1629, 1544..1627		
Seq. No.	12239	Seq. ID	OJ990520_25.9C17.C7
Gene No.	25870	Strand	-
Start	1384	End	1683
Name	OJ990520_25.9C17.C7.o1.np	Method	AAT/NAP
Start	1384	End	1683
GI	1084462	Score	339
Exons	1384..1683		
GI Descrip.	RCg2 protein - rice gi|786130 (L27209) RCc2 [Oryza sativa] gi|786134 (L27210) root-specific protein [Oryza sativa]		
Seq. No.	12239	Seq. ID	OJ990520_25.9C17.C7
Gene No.	25870	Strand	-
Start	1384	End	1683
Name	OJ990520_25.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	1384	End	1630
GI	none	Score	106
Exons	1384..1542, 1445..1543, 1537..1629, 1550..1630		
Seq. No.	12239	Seq. ID	OJ990520_25.9C17.C7
Gene No.	25870	Strand	-
Start	1384	End	1683
Name	OJ990520_25.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	1384	End	1633
GI	none	Score	90
Exons	1384..1542, 1390..1542, 1391..1543, 1585..1620, 1585..1626, 1586..1633		
Seq. No.	12240	Seq. ID	OJ990520_25.9C17.C8
Gene No.	25871	Strand	-
Start	3591	End	4074
Name	OJ990520_25.9C17.C8.o2.gs	Method	GENSCAN
Start	3591	End	4001
GI	none	Score	.43
Exons	3591..4001		
Seq. No.	12240	Seq. ID	OJ990520_25.9C17.C8
Gene No.	25871	Strand	-
Start	3591	End	4074

Name	OJ990520_25.9C17.C8.o1.np	Method	AAT/NAP
Start	3594	End	4001
GI	1084462	Score	478
Exons	3594..4001		
GI Descrip.	RCg2 protein - rice gi|786130 (L27209) RCc2 [Oryza sativa] gi|786134 (L27210) root-specific protein [Oryza sativa]		

Seq. No.	12240	Seq. ID	OJ990520_25.9C17.C8
Gene No.	25871	Strand	-
Start	3591	End	4074
Name	OJ990520_25.9C17.C8.o2.gp	Method	AAT/GAP
Start	3713	End	4074
GI	62886_1.R1084	Score	677
Exons	3713..4074		
GI Descrip.	'1084462/pir||S53011 6.0e-14 RCg2 protein - rice >gi_786130 (L27209) RCc2 [Oryza sativa] >gi_786134 (L27210) root-specific protein [Oryza sativa]'		

Seq. No.	12240	Seq. ID	OJ990520_25.9C17.C8
Gene No.	25872	Strand	-
Start	4161	End	4754
Name	OJ990520_25.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	3568	End	3936
GI	none	Score	114
Exons	3568..3705, 3594..3758, 3795..3860, 3796..3849, 3915..3935, 3916..3936		

Seq. No.	12240	Seq. ID	OJ990520_25.9C17.C8
Gene No.	25872	Strand	-
Start	4161	End	4754
Name	OJ990520_25.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	3594	End	3846
GI	none	Score	88
Exons	3594..3752, 3601..3711, 3768..3845, 3778..3846		

Seq. No.	12240	Seq. ID	OJ990520_25.9C17.C8
Gene No.	25872	Strand	-
Start	4161	End	4754
Name	OJ990520_25.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	3594	End	3840
GI	none	Score	67
Exons	3594..3752, 3601..3711, 3747..3839, 3775..3840		

Seq. No.	12240	Seq. ID	OJ990520_25.9C17.C8
Gene No.	25872	Strand	-
Start	4161	End	4754
Name	OJ990520_25.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	3645	End	3932
GI	none	Score	36
Exons	3645..3758, 3792..3845, 3915..3932		

Seq. No.	12240	Seq. ID	OJ990520_25.9C17.C8
Gene No.	25872	Strand	-
Start	4161	End	4754
Name	OJ990520_25.9C17.C8.o3.gs	Method	GENSCAN
Start	4161	End	4754
GI	none	Score	.83

Exons	4161..4372, 4597..4754		
Seq. No.	12241	Seq. ID	OJ990520_25.9C17.C9
Gene No.	25873	Strand	+
Start	2776	End	6067
Name	OJ990520_25.9C17.C9.o1.np	Method	AAT/NAP
Start	2259	End	4941
GI	3386603	Score	173
Exons	2259..2303, 4260..4346, 4404..4628, 4747..4941		
GI Descrip.	(AC004665) unknown protein [Arabidopsis thaliana]		
Seq. No.	12241	Seq. ID	OJ990520_25.9C17.C9
Gene No.	25873	Strand	+
Start	2776	End	6067
Name	OJ990520_25.9C17.C9.o2.gs	Method	GENSCAN
Start	2776	End	6067
GI	none	Score	.84
Exons	2776..2920, 3133..3254, 3384..3505, 3620..3724, 3812..3902, 3999..4142, 4260..4628, 5687..6067		
Seq. No.	12241	Seq. ID	OJ990520_25.9C17.C9
Gene No.	25874	Strand	+
Start	7849	End	10041
Name	OJ990520_25.9C17.C9.o4.gs	Method	GENSCAN
Start	7849	End	10041
GI	none	Score	.72
Exons	7849..8020, 9155..9179, 9289..9363, 9728..9875, 9961..10041		
Seq. No.	12241	Seq. ID	OJ990520_25.9C17.C9
Gene No.	25875	Strand	-
Start	318	End	1644
Name	OJ990520_25.9C17.C9.o1.gs	Method	GENSCAN
Start	318	End	1644
GI	none	Score	.46
Exons	318..497, 931..1062, 1597..1644		
Seq. No.	12241	Seq. ID	OJ990520_25.9C17.C9
Gene No.	25876	Strand	
Start	4580	End	4911
Name	OJ990520_25.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	4580	End	4911
GI	none	Score	55
Exons	4580..4624, 4596..4628, 4741..4911, 4746..4910		
Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25877	Strand	+
Start	2096	End	2521
Name	OJ990520_25.9C17.C10.o1.gp	Method	AAT/GAP
Start	2096	End	2521
GI	4878407	Score	675
Exons	2096..2521		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		
Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25878	Strand	+
Start	3781	End	4563

Name	OJ990520_25.9C17.C10.o2.gp	Method	AAT/GAP
Start	3781	End	4563
GI	4380_1.R1084	Score	1525
Exons	3781..4563		
GI Descrip.	'1084461/pir||S53012 2.0e-22 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25879	Strand	+
Start	7502	End	7989
Name	OJ990520_25.9C17.C10.o3.gp	Method	AAT/GAP
Start	7367	End	7989
GI	4380_3.R1084	Score	1210
Exons	7367..7989		
GI Descrip.	'1084461/pir||S53012 2.0e-25 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25879	Strand	+
Start	7502	End	7989
Name	OJ990520_25.9C17.C10.o2.gs	Method	GENSCAN
Start	7502	End	7936
GI	none	Score	.75
Exons	7502..7936		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25880	Strand	+
Start	10529	End	11280
Name	OJ990520_25.9C17.C10.o5.gp	Method	AAT/GAP
Start	10529	End	11280
GI	4380_2.R1084	Score	1396
Exons	10529..11280		
GI Descrip.	'1084461/pir||S53012 2.0e-22 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25881	Strand	+
Start	18606	End	19337
Name	OJ990520_25.9C17.C10.o5.gs	Method	GENSCAN
Start	18606	End	19337
GI	none	Score	.7
Exons	18606..18635, 18807..18966, 19021..19337		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25882	Strand	-
Start	1	End	4493
Name	OJ990520_25.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	805
GI	6907086	Score	416
Exons	1..805		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25882	Strand	-
Start	1	End	4493
Name	OJ990520_25.9C17.C10.o1.gs	Method	GENSCAN
Start	17	End	4493

GI	none	Score	.47
Exons	17..313, 342..508, 1499..1704, 1844..2067, 2225..2386, 2937..3079, 4004..4146, 4185..4493		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25883	Strand	-
Start	10815	End	11213
Name	OJ990520_25.9C17.C10.o3.gs	Method	GENSCAN
Start	10815	End	11213
GI	none	Score	.96
Exons	10815..11213		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25884	Strand	-
Start	14476	End	18283
Name	OJ990520_25.9C17.C10.o6.gp	Method	AAT/GAP
Start	14242	End	14968
GI	77236_1.R1084	Score	820
Exons	14242..14595, 14702..14743, 14905..14968		
GI Descrip.	'4584520/emb|CAB40751.1| 1.0e-42 (AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana]'		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25884	Strand	-
Start	14476	End	18283
Name	OJ990520_25.9C17.C10.o4.gs	Method	GENSCAN
Start	14476	End	18256
GI	none	Score	.86
Exons	14476..14595, 14702..14743, 14905..15006, 15502..15562, 16125..16246, 16351..16436, 16558..16642, 16803..16886, 17537..17605, 17781..17894, 17941..18021, 18116..18256		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25884	Strand	-
Start	14476	End	18283
Name	OJ990520_25.9C17.C10.o2.np	Method	AAT/NAP
Start	14479	End	18244
GI	4584520	Score	753
Exons	14479..14595, 14669..14743, 14905..15006, 15092..15190, 15502..15562, 16125..16246, 16351..16436, 16558..16642, 16803..16886, 16970..17049, 17537..17619, 17863..17894, 17941..18033, 18116..18244		
GI Descrip.	(AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana]		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25884	Strand	-
Start	14476	End	18283
Name	OJ990520_25.9C17.C10.o7.gp	Method	AAT/GAP
Start	15136	End	16631
GI	6025047	Score	658
Exons	15136..15190, 15502..15562, 16125..16246, 16351..16436, 16558..16631		
GI Descrip.	4584520/emb|CAB40751.1| 1.0e-42 (AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana]		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10

Gene No.	25884	Strand	-
Start	14476	End	18283
Name	OJ990520_25.9C17.C10.o8.gp	Method	AAT/GAP
Start	16982	End	18283
GI	35300_1.R1084	Score	800
Exons	16982..17049, 17400..17463, 17537..17605, 17941..18021, 18116..18283		
GI Descrip.	'2880043 1.0e-16 (AC002340) putative 3-hydroxyisobutyryl-coenzyme A hydrolase [Arabidopsis thaliana]'		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o4.ts	Method	TBLASTX:Soybean
Start	4005	End	11075
GI	none	Score	93
Exons	4005..4100, 4098..4349, 4177..4344, 7544..7825, 7545..7826, 10824..11075, 10912..11070		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	4065	End	11085
GI	none	Score	66
Exons	4065..4268, 4100..4150, 4185..4271, 4245..4331, 4275..4349, 4279..4350, 7544..7714, 7551..7715, 7631..7717, 7691..7777, 7720..7764, 7721..7828, 7725..7829, 7811..7837, 7811..7828, 10824..10994, 10850..10894, 10905..10997, 10971..11057, 11001..11084, 11005..11085		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o2.tc	Method	TBLASTX:Cress
Start	4092	End	11075
GI	none	Score	73
Exons	4092..4268, 4099..4269, 4275..4349, 7544..7714, 7545..7730, 7721..7795, 7778..7837, 10824..10994, 11001..11075		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o3.tw	Method	TBLASTX:Wheat
Start	4098	End	11073
GI	none	Score	71
Exons	4098..4268, 4100..4150, 4254..4331, 4275..4343, 4279..4347, 7503..7715, 7532..7714, 7700..7777, 7721..7789, 7725..7793, 10824..10994, 10825..10857, 10850..10885, 11001..11069, 11005..11073		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o6.tm	Method	TBLASTX:Maize
Start	14453	End	14749
GI	none	Score	116

Exons	14453..14596, 14476..14598, 14477..14596, 14702..14749		
Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	14901	End	16438
GI	none	Score	96
Exons	14901..15008, 14912..15013, 14914..15006, 15083..15190, 15089..15190, 15093..15191, 15093..15191, 15094..15201, 15487..15564, 15494..15565, 15501..15578, 15694..15735, 16116..16238, 16124..16243, 16124..16261, 16354..16434, 16354..16437, 16355..16438, 16355..16438		
Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	14920	End	18024
GI	none	Score	91
Exons	14920..15006, 14921..15007, 15083..15184, 15093..15185, 15494..15565, 15502..15564, 16124..16246, 16125..16238, 16340..16441, 16354..16440, 16542..16643, 16556..16642, 16800..16886, 16964..17050, 17354..17470, 17398..17469, 17522..17605, 17537..17602, 17938..18024		
Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o5.tm	Method	TBLASTX:Maize
Start	16964	End	18024
GI	none	Score	101
Exons	16964..17050, 16968..17051, 16968..17051, 16970..17053, 17351..17470, 17353..17469, 17537..17605, 17538..17606, 17941..18024, 17942..18022		
Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o9.gp	Method	AAT/GAP
Start	20485	End	21082
GI	none	Score	867
Exons	20485..20925, 21039..21082		
Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	20863	End	22705
GI	none	Score	90
Exons	20863..20925, 21015..21110, 21016..21156, 21224..21370, 21225..21368, 21450..21527, 21635..21715, 21637..21717, 21801..21872, 21805..21873, 22006..22086, 22182..22277, 22182..22277, 22183..22281, 22351..22485, 22352..22486, 22354..22488, 22622..22705		
Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10

Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o7.gs	Method	GENSCAN
Start	20875	End	24155
GI	none	Score	.7
Exons	20875..20925, 21039..21131, 21227..21367, 21462..21539, 21628..21729, 21816..21872, 21958..22086, 22185..22280, 22345..22485, 22568..22890, 24047..24155		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o3.np	Method	AAT/NAP
Start	20976	End	22852
GI	3892714	Score	810
Exons	20976..21131, 21227..21367, 21462..21539, 21628..21729, 21816..21872, 21958..22086, 22185..22256, 22345..22485, 22568..22852		
GI Descrip.	(AL033545) trehalose-6-phosphate phosphatase-like protein [Arabidopsis thaliana]		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	21015	End	21533
GI	none	Score	69
Exons	21015..21131, 21025..21111, 21224..21367, 21225..21368, 21459..21533		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	21024	End	21730
GI	none	Score	47
Exons	21024..21131, 21037..21111, 21224..21370, 21225..21362, 21227..21373, 21450..21521, 21635..21730, 21637..21729		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	21045	End	22486
GI	none	Score	49
Exons	21045..21131, 21046..21111, 21212..21370, 21225..21368, 21450..21527, 21637..21723, 21816..21866, 21976..22086, 22007..22057, 22174..22257, 22176..22259, 22345..22479, 22346..22486		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o3.ts	Method	TBLASTX:Soybean
Start	22012	End	22485
GI	none	Score	48
Exons	22012..22086, 22013..22057, 22174..22245, 22182..22256,		

22348..22485, 22349..22480

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o2.tw	Method	TBLASTX:Wheat
Start	22048	End	22483
GI	none	Score	99
Exons	22048..22086, 22185..22256, 22348..22479, 22361..22483		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o4.tm	Method	TBLASTX:Maize
Start	22727	End	23050
GI	none	Score	122
Exons	22727..22834, 22728..22835, 22728..22835, 22835..22864, 22951..23049, 22952..23050		

Seq. No.	12242	Seq. ID	OJ990520_25.9C17.C10
Gene No.	25885	Strand	-
Start	20485	End	24443
Name	OJ990520_25.9C17.C10.o10.gp	Method	AAT/GAP
Start	22811	End	24443
GI	none	Score	788
Exons	22811..23049, 23130..23229, 24363..24443		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25886	Strand	+
Start	19	End	7537
Name	OJ990520_25.9C17.C11.o1.gs	Method	GENSCAN
Start	19	End	7537
GI	none	Score	.43
Exons	19..101, 1302..1418, 1423..1442, 2370..2429, 3291..3383, 3639..3742, 4457..4504, 6769..6812, 7213..7537		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25887	Strand	+
Start	10467	End	11857
Name	OJ990520_25.9C17.C11.o2.np	Method	AAT/NAP
Start	10449	End	11791
GI	3892713	Score	1087
Exons	10449..11791		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25887	Strand	+
Start	10467	End	11857
Name	OJ990520_25.9C17.C11.o2.gp	Method	AAT/GAP
Start	10452	End	10762
GI	LIB3479-005-Q6-K1-B1	Score	581
Exons	10452..10762		
GI Descrip.	'5454202/gb|AAD43617.1|AC005698_16 7.0e-15 (AC005698) T3P18.16 [Arabidopsis thaliana]'		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25887	Strand	+

Start	10467	End	11857
Name	OJ990520_25.9C17.C11.o3.gs	Method	GENSCAN
Start	10467	End	11857
GI	none	Score	1
Exons	10467..11338, 11368..11857		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25888	Strand	+
Start	20249	End	20594
Name	OJ990520_25.9C17.C11.o4.gp	Method	AAT/GAP
Start	19783	End	20371
GI	uC-osf1cyp028b07b1	Score	942
Exons	19783..19936, 20031..20371		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 2.0e-12 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25888	Strand	+
Start	20249	End	20594
Name	OJ990520_25.9C17.C11.o5.gs	Method	GENSCAN
Start	20249	End	20594
GI	none	Score	.65
Exons	20249..20594		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25889	Strand	-
Start	6468	End	10162
Name	OJ990520_25.9C17.C11.o1.np	Method	AAT/NAP
Start	6468	End	10162
GI	6642665	Score	145
Exons	6468..6547, 8401..8548, 8781..8951, 10115..10162		
GI Descrip.	(AC015450) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25889	Strand	-
Start	6468	End	10162
Name	OJ990520_25.9C17.C11.o1.gp	Method	AAT/GAP
Start	8510	End	8990
GI	LIB3433-043-P1-K1-F7	Score	374
Exons	8510..8566, 8787..8990		
GI Descrip.	'2459448 1.0e-30 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	8794	End	8954
GI	none	Score	147
Exons	8794..8952, 8824..8952, 8826..8954		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691

Name	OJ990520_25.9C17.C11.o4.ts	Method	TBLASTX:Soybean
Start	11375	End	11740
GI	none	Score	177
Exons	11375..11542, 11410..11541, 11543..11740		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o3.gp	Method	AAT/GAP
Start	13098	End	13522
GI	3767404	Score	802
Exons	13098..13522		
GI Descrip.	5454202/gb|AAD43617.1|AC005698_16 7.0e-15 (AC005698) T3P18.16 [Arabidopsis thaliana]		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	13324	End	15351
GI	none	Score	218
Exons	13324..13530, 13338..13529, 13661..13825, 13661..13837, 13674..13835, 13686..13847, 13944..14102, 13944..14090, 13949..14101, 14282..14374, 14285..14374, 14292..14375, 14472..14633, 14472..14630, 14479..14649, 14480..14632, 14701..14793, 14707..14787, 14714..14788, 15124..15186, 15125..15184, 15209..15280, 15289..15351, 15292..15348		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o4.gs	Method	GENSCAN
Start	13342	End	15675
GI	none	Score	.86
Exons	13342..13521, 13661..13834, 13950..14085, 14292..14420, 14458..14630, 14716..14786, 15126..15675		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o3.np	Method	AAT/NAP
Start	13345	End	15691
GI	5454204	Score	1156
Exons	13345..13521, 13661..13834, 13950..14085, 14292..14374, 14478..14630, 14692..14786, 15126..15691		
GI Descrip.	(AC005698) T3P18.18 [Arabidopsis thaliana]		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o3.ts	Method	TBLASTX:Soybean
Start	13390	End	14356
GI	none	Score	67
Exons	13390..13533, 13649..13825, 13692..13802, 13810..13833, 13950..14090, 13963..14079, 14288..14356		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11

Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	13661	End	14073
GI	none	Score	81
Exons	13661..13828, 13661..13843, 13686..13835, 13953..14072, 13953..14072, 13954..14073		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o2.tc	Method	TBLASTX:Cress
Start	14333	End	14793
GI	none	Score	81
Exons	14333..14374, 14475..14630, 14701..14793, 14714..14791		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	14466	End	14779
GI	none	Score	97
Exons	14466..14519, 14538..14630, 14701..14778, 14705..14779		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	15130	End	15609
GI	none	Score	76
Exons	15130..15189, 15289..15387, 15421..15492, 15422..15493, 15538..15609		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o3.tc	Method	TBLASTX:Cress
Start	15166	End	15609
GI	none	Score	62
Exons	15166..15189, 15232..15387, 15421..15492, 15425..15490, 15538..15609		

Seq. No.	12243	Seq. ID	OJ990520_25.9C17.C11
Gene No.	25890	Strand	-
Start	13342	End	15691
Name	OJ990520_25.9C17.C11.o3.tm	Method	TBLASTX:Maize
Start	15352	End	15609
GI	none	Score	182
Exons	15352..15387, 15421..15609		

Seq. No.	12244	Seq. ID	OJ990520_25.9C17.C12
Gene No.	25891	Strand	+
Start	657	End	4386
Name	OJ990520_25.9C17.C12.o1.gs	Method	GENSCAN
Start	657	End	4100
GI	none	Score	.95
Exons	657..681, 2674..4100		

Seq. No.	12244	Seq. ID	OJ990520_25.9C17.C12
Gene No.	25891	Strand	+
Start	657	End	4386
Name	OJ990520_25.9C17.C12.o1.gp	Method	AAT/GAP
Start	3004	End	3240
GI	702336	Score	459
Exons	3004..3240		

Seq. No.	12244	Seq. ID	OJ990520_25.9C17.C12
Gene No.	25891	Strand	+
Start	657	End	4386
Name	OJ990520_25.9C17.C12.o1.np	Method	AAT/NAP
Start	3888	End	4127
GI	5454195	Score	84
Exons	3888..4127		
GI Descrip.	(AC005698) T3P18.9 [Arabidopsis thaliana]		

Seq. No.	12244	Seq. ID	OJ990520_25.9C17.C12
Gene No.	25891	Strand	+
Start	657	End	4386
Name	OJ990520_25.9C17.C12.o2.gp	Method	AAT/GAP
Start	3985	End	4386
GI	5056137	Score	617
Exons	3985..4386		

Seq. No.	12244	Seq. ID	OJ990520_25.9C17.C12
Gene No.	25892	Strand	+
Start	9812	End	10039
Name	OJ990520_25.9C17.C12.o3.gs	Method	GENSCAN
Start	9812	End	10039
GI	none	Score	.77
Exons	9812..10039		

Seq. No.	12244	Seq. ID	OJ990520_25.9C17.C12
Gene No.	25893	Strand	-
Start	9842	End	10051
Name	OJ990520_25.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	3345	End	4212
GI	none	Score	141
Exons	3345..3641, 3376..3642, 3655..3702, 3665..3703, 3703..3936, 3707..3943, 3708..3953, 3708..3950, 3956..4075, 3957..4094, 3963..4076, 4081..4170, 4099..4170, 4169..4210, 4170..4211, 4171..4212		

Seq. No.	12244	Seq. ID	OJ990520_25.9C17.C12
Gene No.	25893	Strand	-
Start	9842	End	10051
Name	OJ990520_25.9C17.C12.o2.np	Method	AAT/NAP
Start	9842	End	10051
GI	5454194	Score	173
Exons	9842..10051		
GI Descrip.	(AC005698) T3P18.8 [Arabidopsis thaliana]		

Seq. No.	12245	Seq. ID	OJ990520_25.9C17.C13
Gene No.	25894	Strand	-
Start	34	End	1341

Name	OJ990520_25.9C17.C13.o1.gs	Method	GENSCAN
Start	34	End	1341
GI	none	Score	.73
Exons	34..283, 1184..1341		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25895	Strand	+
Start	1	End	7344
Name	OJ990520_25.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	5431
GI	3892709	Score	1431
Exons	1..75, 1164..1634, 2155..2299, 2363..2577, 2786..2941, 3158..3325, 3479..3619, 3702..3938, 4019..4132, 5402..5431		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25895	Strand	+
Start	1	End	7344
Name	OJ990520_25.9C17.C14.o1.gs	Method	GENSCAN
Start	51	End	7344
GI	none	Score	.81
Exons	51..124, 369..519, 1164..1517, 1726..1813, 2153..2577, 2786..2941, 3158..3325, 3479..3619, 3702..3938, 4019..4132, 4405..4573, 5520..5637, 7278..7344		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25896	Strand	+
Start	8192	End	9345
Name	OJ990520_25.9C17.C14.o2.gs	Method	GENSCAN
Start	8192	End	9345
GI	none	Score	.6
Exons	8192..8339, 8417..9028, 9056..9345		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25897	Strand	+
Start	17990	End	18054
Name	OJ990520_25.9C17.C14.o3.gp	Method	AAT/GAP
Start	17990	End	18054
GI	LIB3477-003-P1-K1-E9	Score	67
Exons	17990..18054		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25898	Strand	-
Start	4425	End	4924
Name	OJ990520_25.9C17.C14.o1.gp	Method	AAT/GAP
Start	4425	End	4924
GI	none	Score	856
Exons	4425..4924		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25899	Strand	-
Start	7900	End	8478
Name	OJ990520_25.9C17.C14.o2.gp	Method	AAT/GAP
Start	7900	End	8478

GI	none	Score	1014
Exons	7900..8478		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25900	Strand	-
Start	8416	End	12236
Name	OJ990520_25.9C17.C14.o2.np	Method	AAT/NAP
Start	8416	End	12236
GI	602292	Score	1712
Exons	8416..9277, 11317..12236		
GI Descrip.	(U17987) RCH2 protein [Brassica napus]		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o5.tm	Method	TBLASTX:Maize
Start	1185	End	1523
GI	none	Score	435
Exons	1185..1523, 1247..1519, 1411..1521		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o2.tm	Method	TBLASTX:Maize
Start	1749	End	2579
GI	none	Score	64
Exons	1749..1811, 1755..1811, 1756..1812, 2149..2274, 2151..2195, 2159..2257, 2260..2577, 2274..2576, 2355..2579		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o3.ts	Method	TBLASTX:Soybean
Start	2374	End	2905
GI	none	Score	311
Exons	2374..2577, 2376..2576, 2401..2577, 2402..2578, 2783..2902, 2785..2901, 2786..2905		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o3.tc	Method	TBLASTX:Cress
Start	2376	End	3562
GI	none	Score	259
Exons	2376..2576, 2377..2577, 2382..2579, 2410..2577, 2423..2578, 2783..2947, 2785..2946, 3137..3370, 3155..3328, 3157..3333, 3401..3496, 3488..3562		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o7.tm	Method	TBLASTX:Maize
Start	2900	End	3295
GI	none	Score	83
Exons	2900..2947, 2900..2947, 3145..3294, 3154..3294, 3155..3295, 3155..3295		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o4.ts	Method	TBLASTX:Soybean
Start	3144	End	3607
GI	none	Score	82
Exons	3144..3326, 3145..3333, 3146..3328, 3476..3607		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o3.tm	Method	TBLASTX:Maize
Start	3296	End	3926
GI	none	Score	63
Exons	3296..3328, 3476..3622, 3477..3620, 3478..3621, 3696..3926, 3699..3926		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o2.tc	Method	TBLASTX:Cress
Start	3563	End	4553
GI	none	Score	83
Exons	3563..3622, 3565..3612, 3717..3803, 3725..3808, 3831..3938, 3833..3940, 4013..4129, 4014..4133, 4015..4137, 4380..4541, 4392..4553, 4405..4545		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o6.ts	Method	TBLASTX:Soybean
Start	3728	End	4455
GI	none	Score	64
Exons	3728..3790, 3729..3803, 3836..3940, 3837..3938, 4013..4129, 4066..4125, 4392..4454, 4392..4454, 4405..4455		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o10.tm	Method	TBLASTX:Maize
Start	3954	End	4135
GI	none	Score	125
Exons	3954..4133, 3954..4133, 4013..4135, 4060..4134		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o11.tm	Method	TBLASTX:Maize
Start	4405	End	4552
GI	none	Score	87
Exons	4405..4455, 4406..4453, 4410..4454, 4455..4541, 4459..4551, 4459..4551, 4463..4552		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o1.tc	Method	TBLASTX:Cress

Start	8413	End	12200
GI	none	Score	69
Exons	8413..8595, 8420..8542, 8615..8806, 8617..8808, 8809..9069, 8852..8944, 8989..9279, 9071..9178, 11316..11681, 11317..11352, 11428..11673, 11643..11738, 11659..11733, 11817..12200, 11845..12177		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	8454	End	9228
GI	none	Score	43
Exons	8454..8483, 8470..8547, 8470..8595, 8617..8814, 8618..8812, 8851..9228, 8852..9178		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o1.tw	Method	TBLASTX:Wheat
Start	8476	End	8811
GI	none	Score	57
Exons	8476..8547, 8476..8598, 8599..8811, 8621..8809		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o1.ts	Method	TBLASTX:Soybean
Start	8482	End	9093
GI	none	Score	198
Exons	8482..8610, 8611..8814, 8621..8815, 8851..9093, 8861..8944		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o8.tm	Method	TBLASTX:Maize
Start	11391	End	11675
GI	none	Score	136
Exons	11391..11675, 11473..11661, 11583..11669		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o7.ts	Method	TBLASTX:Soybean
Start	11457	End	11703
GI	none	Score	65
Exons	11457..11684, 11470..11526, 11578..11703		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o6.tm	Method	TBLASTX:Maize
Start	11829	End	12218
GI	none	Score	138
Exons	11829..11966, 11860..11967, 11964..12218, 11965..12180		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14

Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o2.ts	Method	TBLASTX:Soybean
Start	11844	End	12212
GI	none	Score	269
Exons	11844..12212, 11845..12180		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o3.np	Method	AAT/NAP
Start	24288	End	26366
GI	5454204	Score	397
Exons	24288..24477, 24581..24743, 24836..24968, 25047..25132, 25871..26020, 26088..26183, 26320..26366		
GI Descrip.	(AC005698) T3P18.18 [Arabidopsis thaliana]		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o4.gs	Method	GENSCAN
Start	24311	End	26156
GI	none	Score	.83
Exons	24311..24514, 24570..24968, 25871..26020, 26082..26156		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o4.tm	Method	TBLASTX:Maize
Start	24341	End	24971
GI	none	Score	103
Exons	24341..24469, 24362..24469, 24558..24746, 24835..24969, 24836..24970, 24837..24971		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o5.ts	Method	TBLASTX:Soybean
Start	24341	End	25072
GI	none	Score	100
Exons	24341..24469, 24576..24752, 24836..24931, 24846..24932, 24929..24967, 25019..25072		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o4.tc	Method	TBLASTX:Cress
Start	24582	End	24932
GI	none	Score	96
Exons	24582..24734, 24842..24931, 24843..24932		

Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o8.ts	Method	TBLASTX:Soybean
Start	25862	End	26171
GI	none	Score	78

Exons	25862..25909, 25919..26023, 26109..26171, 26116..26166		
Seq. No.	12246	Seq. ID	OJ990520_25.9C17.C14
Gene No.	25901	Strand	-
Start	24311	End	26366
Name	OJ990520_25.9C17.C14.o9.tm	Method	TBLASTX:Maize
Start	25868	End	26220
GI	none	Score	135
Exons	25868..26023, 25869..26018, 26034..26189, 26099..26185, 26112..26192, 26113..26217, 26122..26220		
Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25902	Strand	+
Start	515	End	1812
Name	OJ990520_25.9C17.C15.o1.gs	Method	GENSCAN
Start	515	End	1812
GI	none	Score	.43
Exons	515..670, 979..1812		
Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25903	Strand	+
Start	1944	End	4875
Name	OJ990520_25.9C17.C15.o2.np	Method	AAT/NAP
Start	1944	End	4875
GI	4680186	Score	164
Exons	1944..1971, 3323..3549, 4128..4192, 4821..4875		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25904	Strand	-
Start	3620	End	4045
Name	OJ990520_25.9C17.C15.o4.tw	Method	TBLASTX:Wheat
Start	1141	End	1413
GI	none	Score	196
Exons	1141..1413, 1206..1265, 1287..1409		
Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25904	Strand	-
Start	3620	End	4045
Name	OJ990520_25.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	1174	End	2079
GI	none	Score	758
Exons	1174..2079, 1249..1527, 1287..1559, 1602..2078		
Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25904	Strand	-
Start	3620	End	4045
Name	OJ990520_25.9C17.C15.o2.tw	Method	TBLASTX:Wheat
Start	1414	End	1755
GI	none	Score	176
Exons	1414..1602, 1416..1601, 1603..1755, 1614..1754		
Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25904	Strand	-
Start	3620	End	4045
Name	OJ990520_25.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	1684	End	2244

GI	none	Score	83
Exons	1684..1842, 1695..1841, 1881..1985, 1882..2034, 2026..2244, 2046..2138		

Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25904	Strand	-
Start	3620	End	4045
Name	OJ990520_25.9C17.C15.o1.tw	Method	TBLASTX:Wheat
Start	1834	End	2265
GI	none	Score	360
Exons	1834..2265, 1887..2264		

Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25904	Strand	-
Start	3620	End	4045
Name	OJ990520_25.9C17.C15.o2.tm	Method	TBLASTX:Maize
Start	2363	End	2752
GI	none	Score	166
Exons	2363..2659, 2693..2752		

Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25904	Strand	-
Start	3620	End	4045
Name	OJ990520_25.9C17.C15.o3.tw	Method	TBLASTX:Wheat
Start	2666	End	3103
GI	none	Score	238
Exons	2666..3103		

Seq. No.	12247	Seq. ID	OJ990520_25.9C17.C15
Gene No.	25904	Strand	-
Start	3620	End	4045
Name	OJ990520_25.9C17.C15.o1.gp	Method	AAT/GAP
Start	3620	End	4045
GI	4878407	Score	675
Exons	3620..4045		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25905	Strand	+
Start	1	End	3256
Name	OJ990520_25.9C17.C16.o1.np	Method	AAT/NAP
Start	1	End	2909
GI	1166450	Score	385
Exons	1..143, 2506..2909		
GI Descrip.	(X95262) Tfm5 [Lycopersicon esculentum]		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25905	Strand	+
Start	1	End	3256
Name	OJ990520_25.9C17.C16.o1.gp	Method	AAT/GAP
Start	2341	End	2793
GI	uC-osrocyp013d05b1	Score	795
Exons	2341..2793		
GI Descrip.	'1084461/pir||S53012 6.0e-15 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25905	Strand	+
Start	1	End	3256
Name	OJ990520_25.9C17.C16.o1.gs	Method	GENSCAN
Start	2413	End	3256
GI	none	Score	.67
Exons	2413..2823, 3182..3256		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25906	Strand	-
Start	4077	End	6308
Name	OJ990520_25.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	2643	End	2916
GI	none	Score	293
Exons	2643..2843, 2665..2847, 2680..2847, 2847..2909, 2855..2914, 2869..2916		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25906	Strand	-
Start	4077	End	6308
Name	OJ990520_25.9C17.C16.o1.tw	Method	TBLASTX:Wheat
Start	2649	End	2910
GI	none	Score	210
Exons	2649..2834, 2662..2835, 2680..2835, 2847..2909, 2849..2908, 2878..2910		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25906	Strand	-
Start	4077	End	6308
Name	OJ990520_25.9C17.C16.o1.ts	Method	TBLASTX:Soybean
Start	2658	End	2918
GI	none	Score	253
Exons	2658..2846, 2665..2847, 2701..2850, 2847..2918		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25906	Strand	-
Start	4077	End	6308
Name	OJ990520_25.9C17.C16.o1.tc	Method	TBLASTX:Cress
Start	2665	End	2915
GI	none	Score	228
Exons	2665..2847, 2667..2843, 2847..2915		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25906	Strand	-
Start	4077	End	6308
Name	OJ990520_25.9C17.C16.o2.np	Method	AAT/NAP
Start	4077	End	6308
GI	4454007	Score	158
Exons	4077..4117, 5140..5297, 5367..5624, 5713..5888, 6068..6308		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25906	Strand	-
Start	4077	End	6308
Name	OJ990520_25.9C17.C16.o2.gs	Method	GENSCAN
Start	4374	End	6279
GI	none	Score	.94

Exons	4374..4481, 4767..4874, 5205..5294, 5388..5624, 5713..6279		
Seq. No.	12248	Seq. ID	OJ990520_25.9C17.C16
Gene No.	25906	Strand	-
Start	4077	End	6308
Name	OJ990520_25.9C17.C16.o2.gp	Method	AAT/GAP
Start	5205	End	5430
GI	none	Score	215
Exons	5205..5294, 5388..5430		
Seq. No.	12249	Seq. ID	OJ990920_20.9C03.C2
Gene No.	25907	Strand	+
Start	97	End	341
Name	OJ990920_20.9C03.C2.o1.np	Method	AAT/NAP
Start	97	End	341
GI	82538	Score	328
Exons	97..341		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi|12028|emb|CAA33936| (X15901) ORF82 [Oryza sativa] gi|12074|emb|CAA33926| (X15901) ORF82 [Oryza sativa] gi|226650|prf||1603356CA ORF 82 [Oryza sativa]		
Seq. No.	12249	Seq. ID	OJ990920_20.9C03.C2
Gene No.	25908	Strand	-
Start	241	End	328
Name	OJ990920_20.9C03.C2.o1.gp	Method	AAT/GAP
Start	241	End	328
GI	3073_1.R1084	Score	145
Exons	241..328		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		
Seq. No.	12250	Seq. ID	OJ990920_20.9C03.C3
Gene No.	25909	Strand	+
Start	435	End	2580
Name	OJ990920_20.9C03.C3.o1.gs	Method	GENSCAN
Start	435	End	2318
GI	none	Score	.71
Exons	435..606, 659..891, 2005..2318		
Seq. No.	12250	Seq. ID	OJ990920_20.9C03.C3
Gene No.	25909	Strand	+
Start	435	End	2580
Name	OJ990920_20.9C03.C3.o1.np	Method	AAT/NAP
Start	497	End	2580
GI	2586082	Score	329
Exons	497..899, 2512..2580		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	12250	Seq. ID	OJ990920_20.9C03.C3
Gene No.	25910	Strand	-
Start	1017	End	2029
Name	OJ990920_20.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	570	End	860

GI	none	Score	71
Exons	570..662, 678..860, 704..856		

Seq. No.	12250	Seq. ID	OJ990920_20.9C03.C3
Gene No.	25910	Strand	-
Start	1017	End	2029
Name	OJ990920_20.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	621	End	880
GI	none	Score	201
Exons	621..878, 692..880		

Seq. No.	12250	Seq. ID	OJ990920_20.9C03.C3
Gene No.	25910	Strand	-
Start	1017	End	2029
Name	OJ990920_20.9C03.C3.o2.np	Method	AAT/NAP
Start	1017	End	2029
GI	4973022	Score	737
Exons	1017..1080, 1597..2029		
GI Descrip.	(AF141933) unknown [Oryza sativa]		

Seq. No.	12250	Seq. ID	OJ990920_20.9C03.C3
Gene No.	25910	Strand	-
Start	1017	End	2029
Name	OJ990920_20.9C03.C3.o1.gp	Method	AAT/GAP
Start	1301	End	1371
GI	61430_1.R1084	Score	98
Exons	1301..1371		
GI Descrip.	'14394/emb|Z14060|MISCREPU4 0.0e+00 T.aestivum mitochondrion fMet, 18S, 5S repeat unit DNA'		

Seq. No.	12251	Seq. ID	OJ990920_20.9C03.C4
Gene No.	25911	Strand	+
Start	92	End	4376
Name	OJ990920_20.9C03.C4.o1.gs	Method	GENSCAN
Start	92	End	4012
GI	none	Score	.53
Exons	92..135, 174..291, 1932..1948, 2714..2762, 3071..3258, 3611..4012		

Seq. No.	12251	Seq. ID	OJ990920_20.9C03.C4
Gene No.	25911	Strand	+
Start	92	End	4376
Name	OJ990920_20.9C03.C4.o1.np	Method	AAT/NAP
Start	2648	End	4376
GI	4584255	Score	653
Exons	2648..2741, 3152..3258, 3611..4000, 4246..4376		
GI Descrip.	(Y18471) SINA1p [Vitis vinifera]		

Seq. No.	12251	Seq. ID	OJ990920_20.9C03.C4
Gene No.	25911	Strand	+
Start	92	End	4376
Name	OJ990920_20.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	3205	End	4045
GI	none	Score	93
Exons	3205..3291, 3608..4045, 3610..3999		

Seq. No.	12251	Seq. ID	OJ990920_20.9C03.C4

Gene No.	25911	Strand	+
Start	92	End	4376
Name	OJ990920_20.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	3598	End	4010
GI	none	Score	593
Exons	3598..3999, 3605..4000, 3831..4010, 3855..4010		

Seq. No.	12251	Seq. ID	OJ990920_20.9C03.C4
Gene No.	25911	Strand	+
Start	92	End	4376
Name	OJ990920_20.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	3658	End	3943
GI	none	Score	397
Exons	3658..3942, 3659..3940, 3659..3943		

Seq. No.	12252	Seq. ID	OJ990920_20.9C03.C5
Gene No.	25912	Strand	-
Start	330	End	910
Name	OJ990920_20.9C03.C5.o1.gs	Method	GENSCAN
Start	330	End	910
GI	none	Score	.64
Exons	330..524, 812..910		

Seq. No.	12253	Seq. ID	OJ990920_20.9C03.C6
Gene No.	25913	Strand	+
Start	48	End	842
Name	OJ990920_20.9C03.C6.o1.gs	Method	GENSCAN
Start	48	End	805
GI	none	Score	.51
Exons	48..805		

Seq. No.	12253	Seq. ID	OJ990920_20.9C03.C6
Gene No.	25913	Strand	+
Start	48	End	842
Name	OJ990920_20.9C03.C6.o1.np	Method	AAT/NAP
Start	51	End	842
GI	5042447	Score	665
Exons	51..842		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12253	Seq. ID	OJ990920_20.9C03.C6
Gene No.	25913	Strand	+
Start	48	End	842
Name	OJ990920_20.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	279	End	641
GI	none	Score	292
Exons	279..641, 281..640		

Seq. No.	12253	Seq. ID	OJ990920_20.9C03.C6
Gene No.	25913	Strand	+
Start	48	End	842
Name	OJ990920_20.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	522	End	827
GI	none	Score	232
Exons	522..827, 536..700		

Seq. No.	12254	Seq. ID	OJ990920_20.9C03.C7

Gene No.	25914	Strand	-
Start	1	End	1550
Name	OJ990920_20.9C03.C7.o1.gp	Method	AAT/GAP
Start	1	End	540
GI	16044_2.R1084	Score	246
Exons	1..49, 443..540		
GI Descrip.	'5596484/emb|CAB51422.1| 1.0e-131 (AL096882) beta-adaptin-like protein [Arabidopsis thaliana]'		

Seq. No.	12254	Seq. ID	OJ990920_20.9C03.C7
Gene No.	25914	Strand	-
Start	1	End	1550
Name	OJ990920_20.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	1523
GI	5596484	Score	1035
Exons	1..49, 443..578, 666..916, 1006..1119, 1244..1523		
GI Descrip.	(AL096882) beta-adaptin-like protein [Arabidopsis thaliana]		

Seq. No.	12254	Seq. ID	OJ990920_20.9C03.C7
Gene No.	25914	Strand	-
Start	1	End	1550
Name	OJ990920_20.9C03.C7.o2.tc	Method	TBLASTX:Cress
Start	2	End	769
GI	none	Score	64
Exons	2..61, 3..62, 9..62, 10..69, 440..577, 440..577, 636..737, 650..769, 650..754		

Seq. No.	12254	Seq. ID	OJ990920_20.9C03.C7
Gene No.	25914	Strand	-
Start	1	End	1550
Name	OJ990920_20.9C03.C7.o1.gs	Method	GENSCAN
Start	443	End	1550
GI	none	Score	.76
Exons	443..578, 666..916, 1006..1119, 1244..1441, 1500..1550		

Seq. No.	12254	Seq. ID	OJ990920_20.9C03.C7
Gene No.	25914	Strand	-
Start	1	End	1550
Name	OJ990920_20.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	467	End	841
GI	none	Score	177
Exons	467..577, 467..577, 477..581, 636..833, 650..841, 652..840, 665..841		

Seq. No.	12254	Seq. ID	OJ990920_20.9C03.C7
Gene No.	25914	Strand	-
Start	1	End	1550
Name	OJ990920_20.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	542	End	1294
GI	none	Score	35
Exons	542..577, 546..578, 635..919, 643..756, 650..934, 652..921, 989..1120, 1004..1120, 1005..1130, 1006..1125, 1244..1267, 1268..1294		

Seq. No.	12254	Seq. ID	OJ990920_20.9C03.C7
Gene No.	25914	Strand	-
Start	1	End	1550

Name	OJ990920_20.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	1028	End	1444
GI	none	Score	140
Exons	1028..1120, 1028..1120, 1030..1128, 1030..1125, 1242..1442, 1242..1442, 1244..1444, 1244..1444		

Seq. No.	12254	Seq. ID	OJ990920_20.9C03.C7
Gene No.	25914	Strand	-
Start	1	End	1550
Name	OJ990920_20.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	1295	End	1444
GI	none	Score	173
Exons	1295..1444, 1296..1442, 1303..1443		

Seq. No.	12255	Seq. ID	OJ990920_20.9C03.C8
Gene No.	25915	Strand	-
Start	1	End	523
Name	OJ990920_20.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	523
GI	5596484	Score	117
Exons	1..58, 413..523		
GI Descrip.	(AL096882) beta-adaptin-like protein [Arabidopsis thaliana]		

Seq. No.	12255	Seq. ID	OJ990920_20.9C03.C8
Gene No.	25915	Strand	-
Start	1	End	523
Name	OJ990920_20.9C03.C8.o1.gs	Method	GENSCAN
Start	119	End	523
GI	none	Score	.49
Exons	119..523		

Seq. No.	12255	Seq. ID	OJ990920_20.9C03.C8
Gene No.	25916	Strand	-
Start	1743	End	2164
Name	OJ990920_20.9C03.C8.o2.gs	Method	GENSCAN
Start	1743	End	2164
GI	none	Score	.43
Exons	1743..1907, 2065..2164		

Seq. No.	12256	Seq. ID	OJ990920_20.9C03.C9
Gene No.	25917	Strand	-
Start	977	End	1010
Name	OJ990920_20.9C03.C9.o1.gs	Method	GENSCAN
Start	977	End	1010
GI	none	Score	.81
Exons	977..1010		

Seq. No.	12257	Seq. ID	OJ990920_20.9C03.C10
Gene No.	25918	Strand	-
Start	117	End	844
Name	OJ990920_20.9C03.C10.o1.gs	Method	GENSCAN
Start	117	End	770
GI	none	Score	.89
Exons	117..770		

Seq. No.	12257	Seq. ID	OJ990920_20.9C03.C10
Gene No.	25918	Strand	-

Start	117	End	844
Name	OJ990920_20.9C03.C10.o1.np	Method	AAT/NAP
Start	120	End	844
GI	4680179	Score	1037
Exons	120..844		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12257	Seq. ID	OJ990920_20.9C03.C10
Gene No.	25918	Strand	-
Start	117	End	844
Name	OJ990920_20.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	165	End	587
GI	none	Score	184
Exons	165..587, 229..552		

Seq. No.	12257	Seq. ID	OJ990920_20.9C03.C10
Gene No.	25918	Strand	-
Start	117	End	844
Name	OJ990920_20.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	345	End	839
GI	none	Score	215
Exons	345..785, 361..786, 783..839, 790..837		

Seq. No.	12257	Seq. ID	OJ990920_20.9C03.C10
Gene No.	25918	Strand	-
Start	117	End	844
Name	OJ990920_20.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	591	End	843
GI	none	Score	185
Exons	591..842, 595..843		

Seq. No.	12258	Seq. ID	OJ990920_20.9C03.C11
Gene No.	25919	Strand	-
Start	1409	End	1502
Name	OJ990920_20.9C03.C11.o1.gp	Method	AAT/GAP
Start	1409	End	1502
GI	5900731	Score	153
Exons	1409..1502		
GI Descrip.	2388578 4.0e-17 (AC000098) Similar to Mycobacterium RlpF (gb_Z84395). ESTs gb_T75785,gb_R30580,gb_T04698 come from this gene. [Arabidopsis thaliana]		

Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25920	Strand	+
Start	1471	End	4323
Name	OJ990920_20.9C03.C12.o2.np	Method	AAT/NAP
Start	1471	End	3724
GI	6911877	Score	381
Exons	1471..1529, 2937..3170, 3272..3724		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25920	Strand	+
Start	1471	End	4323
Name	OJ990920_20.9C03.C12.o1.gs	Method	GENSCAN
Start	1894	End	4323
GI	none	Score	.5

Exons	1894..1948, 2710..2732, 3077..3700, 4240..4323		
Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25920	Strand	+
Start	1471	End	4323
Name	OJ990920_20.9C03.C12.o2.gp	Method	AAT/GAP
Start	3003	End	3537
GI	none	Score	1015
Exons	3003..3537		
Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25921	Strand	-
Start	344	End	1986
Name	OJ990920_20.9C03.C12.o1.gp	Method	AAT/GAP
Start	344	End	1986
GI	64853_1.R1084	Score	701
Exons	344..367, 601..910, 1861..1986		
GI Descrip.	'4190974/dbj|BAA74448| 0.0e+00 (AB018442) phytochrome C [Oryza sativa]'		
Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25921	Strand	-
Start	344	End	1986
Name	OJ990920_20.9C03.C12.o1.np	Method	AAT/NAP
Start	603	End	932
GI	2388578	Score	259
Exons	603..932		
GI Descrip.	(AC000098) Similar to Mycobacterium RlpF (gb|Z84395). ESTs gb|T75785,gb|R30580,gb|T04698 come from this gene. [Arabidopsis thaliana]		
Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25922	Strand	-
Start	3603	End	4005
Name	OJ990920_20.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	582	End	895
GI	none	Score	59
Exons	582..629, 602..889, 603..890, 714..890, 761..895, 769..891		
Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25922	Strand	-
Start	3603	End	4005
Name	OJ990920_20.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	594	End	860
GI	none	Score	53
Exons	594..629, 602..856, 714..860		
Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25922	Strand	-
Start	3603	End	4005
Name	OJ990920_20.9C03.C12.o2.ts	Method	TBLASTX:Soybean
Start	602	End	910
GI	none	Score	47
Exons	602..655, 602..889, 714..845, 776..910		
Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25922	Strand	-

Start	3603	End	4005
Name	OJ990920_20.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	3281	End	3726
GI	none	Score	128
Exons	3281..3433, 3455..3721, 3577..3726		

Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25922	Strand	-
Start	3603	End	4005
Name	OJ990920_20.9C03.C12.o2.tc	Method	TBLASTX:Cress
Start	3455	End	3736
GI	none	Score	235
Exons	3455..3736, 3568..3726		

Seq. No.	12259	Seq. ID	OJ990920_20.9C03.C12
Gene No.	25922	Strand	-
Start	3603	End	4005
Name	OJ990920_20.9C03.C12.o3.gp	Method	AAT/GAP
Start	3603	End	4005
GI	uC-osrocyp005f04a1	Score	794
Exons	3603..4005		
GI Descrip.	'3894191 1.0e-08 (AC005662) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12260	Seq. ID	OJ990920_20.9C03.C14
Gene No.	25923	Strand	+
Start	1	End	997
Name	OJ990920_20.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	997
GI	4680179	Score	1598
Exons	1..997		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12260	Seq. ID	OJ990920_20.9C03.C14
Gene No.	25923	Strand	+
Start	1	End	997
Name	OJ990920_20.9C03.C14.o2.tw	Method	TBLASTX:Wheat
Start	1	End	258
GI	none	Score	157
Exons	1..252, 3..254, 3..257, 4..258		

Seq. No.	12260	Seq. ID	OJ990920_20.9C03.C14
Gene No.	25923	Strand	+
Start	1	End	997
Name	OJ990920_20.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	46	End	306
GI	none	Score	300
Exons	46..306, 48..305		

Seq. No.	12260	Seq. ID	OJ990920_20.9C03.C14
Gene No.	25923	Strand	+
Start	1	End	997
Name	OJ990920_20.9C03.C14.o2.tm	Method	TBLASTX:Maize
Start	104	End	396
GI	none	Score	153
Exons	104..334, 105..377, 105..392, 106..396		

Seq. No.	12260	Seq. ID	OJ990920_20.9C03.C14
Gene No.	25923	Strand	+
Start	1	End	997
Name	OJ990920_20.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	265	End	891
GI	none	Score	728
Exons	265..891, 267..770, 640..885, 807..890		

Seq. No.	12260	Seq. ID	OJ990920_20.9C03.C14
Gene No.	25923	Strand	+
Start	1	End	997
Name	OJ990920_20.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	445	End	996
GI	none	Score	230
Exons	445..606, 451..597, 453..608, 718..996	453..599, 603..767, 604..996,	

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	2204
GI	6063554	Score	241
Exons	1..25, 446..672, 792..1001, 1991..2204		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o2.np	Method	AAT/NAP
Start	1	End	3876
GI	4680179	Score	670
Exons	1..55, 3395..3876		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o1.gs	Method	GENSCAN
Start	770	End	1174
GI	none	Score	.52
Exons	770..1011, 1085..1174		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o2.gs	Method	GENSCAN
Start	1994	End	3879
GI	none	Score	.88
Exons	1994..2063, 3428..3879		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o4.np	Method	AAT/NAP

Start	2751	End	12768
GI	5852180	Score	625
Exons	2751..2774, 4476..4628, 6247..6300, 7287..7404, 7455..7871, 12741..12768		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o4.gs	Method	GENSCAN
Start	6494	End	10524
GI	none	Score	.74
Exons	6494..6554, 7292..7390, 7646..7833, 10321..10524		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o4.gp	Method	AAT/GAP
Start	10213	End	10942
GI	101153_1.R1084	Score	512
Exons	10213..10397, 10719..10942		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o5.gs	Method	GENSCAN
Start	11696	End	13324
GI	none	Score	.75
Exons	11696..11731, 12515..13324		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25924	Strand	+
Start	1	End	13324
Name	OJ990920_20.9C03.C15.o5.gp	Method	AAT/GAP
Start	11919	End	12221
GI	61605_3.R1084	Score	465
Exons	11919..12221		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25925	Strand	+
Start	13574	End	14772
Name	OJ990920_20.9C03.C15.o6.np	Method	AAT/NAP
Start	13571	End	14772
GI	5042447	Score	631
Exons	13571..14493, 14720..14772		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25925	Strand	+
Start	13574	End	14772
Name	OJ990920_20.9C03.C15.o6.gs	Method	GENSCAN
Start	13574	End	14578
GI	none	Score	.96

Exons	13574..14578		
Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25926	Strand	-
Start	1587	End	2113
Name	OJ990920_20.9C03.C15.o2.gp	Method	AAT/GAP
Start	1587	End	2113
GI	uC-osf1M202048c12b1	Score	899
Exons	1587..2113		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25927	Strand	-
Start	2051	End	7250
Name	OJ990920_20.9C03.C15.o3.np	Method	AAT/NAP
Start	2051	End	7250
GI	5852180	Score	476
Exons	2051..2116, 4629..5026, 5078..5195, 7230..7250		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25927	Strand	-
Start	2051	End	7250
Name	OJ990920_20.9C03.C15.o3.gs	Method	GENSCAN
Start	4618	End	4827
GI	none	Score	.87
Exons	4618..4827		
Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25927	Strand	-
Start	2051	End	7250
Name	OJ990920_20.9C03.C15.o3.gp	Method	AAT/GAP
Start	6149	End	6534
GI	uC-osflcyp033a04b1	Score	673
Exons	6149..6534		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25928	Strand	-
Start	10187	End	14772
Name	OJ990920_20.9C03.C15.o1.tw	Method	TBLASTX:Wheat
Start	3409	End	3831
GI	none	Score	413
Exons	3409..3831, 3444..3767		
Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25928	Strand	-
Start	10187	End	14772
Name	OJ990920_20.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	3474	End	3735
GI	none	Score	296
Exons	3474..3734, 3475..3735		
Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25928	Strand	-

Start	10187	End	14772
Name	OJ990920_20.9C03.C15.o5.np	Method	AAT/NAP
Start	10187	End	14772
GI	5852180	Score	356
Exons	10187..10552, 11568..11661, 14727..14772		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25928	Strand	-
Start	10187	End	14772
Name	OJ990920_20.9C03.C15.o3.tw	Method	TBLASTX:Wheat
Start	13751	End	14002
GI	none	Score	194
Exons	13751..13798, 13811..14002, 13813..14001		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25928	Strand	-
Start	10187	End	14772
Name	OJ990920_20.9C03.C15.o2.tw	Method	TBLASTX:Wheat
Start	14044	End	14395
GI	none	Score	296
Exons	14044..14238, 14045..14395		

Seq. No.	12261	Seq. ID	OJ990920_20.9C03.C15
Gene No.	25928	Strand	-
Start	10187	End	14772
Name	OJ990920_20.9C03.C15.o2.tm	Method	TBLASTX:Maize
Start	14045	End	14350
GI	none	Score	244
Exons	14045..14350, 14059..14175		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25929	Strand	+
Start	873	End	6344
Name	OJ990920_20.9C03.C16.o2.gs	Method	GENSCAN
Start	873	End	2637
GI	none	Score	.91
Exons	873..966, 1268..1315, 2019..2311, 2473..2637		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25929	Strand	+
Start	873	End	6344
Name	OJ990920_20.9C03.C16.o2.np	Method	AAT/NAP
Start	2453	End	6344
GI	6691716	Score	288
Exons	2453..2474, 4579..4792, 4980..5088, 6246..6344		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25929	Strand	+
Start	873	End	6344
Name	OJ990920_20.9C03.C16.o2.gp	Method	AAT/GAP
Start	3393	End	3778
GI	uC-osflcyp033a04b1	Score	637
Exons	3393..3778		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25930	Strand	+
Start	9058	End	9811
Name	OJ990920_20.9C03.C16.o4.np	Method	AAT/NAP
Start	8713	End	9811
GI	4680179	Score	715
Exons	8713..8764, 9046..9811		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25930	Strand	+
Start	9058	End	9811
Name	OJ990920_20.9C03.C16.o6.gs	Method	GENSCAN
Start	9058	End	9745
GI	none	Score	.53
Exons	9058..9745		
Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25931	Strand	-
Start	1	End	7780
Name	OJ990920_20.9C03.C16.o1.np	Method	AAT/NAP
Start	1	End	7275
GI	5852180	Score	634
Exons	1..31, 2055..2465, 2516..2633, 3627..3680, 7228..7275		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25931	Strand	-
Start	1	End	7780
Name	OJ990920_20.9C03.C16.o1.gs	Method	GENSCAN
Start	218	End	337
GI	none	Score	.56
Exons	218..337		
Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25931	Strand	-
Start	1	End	7780
Name	OJ990920_20.9C03.C16.o1.gp	Method	AAT/GAP
Start	768	End	934
GI	uC-osflcyp033a04b1	Score	289
Exons	768..934		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25931	Strand	-
Start	1	End	7780
Name	OJ990920_20.9C03.C16.o3.gs	Method	GENSCAN
Start	2826	End	2957
GI	none	Score	.49
Exons	2826..2957		
Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25931	Strand	-

Start	1	End	7780
Name	OJ990920_20.9C03.C16.o3.np	Method	AAT/NAP
Start	4627	End	7621
GI	5852179	Score	559
Exons	4627..4649, 6064..6323, 6398..6608, 7601..7621		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25931	Strand	-
Start	1	End	7780
Name	OJ990920_20.9C03.C16.o5.gs	Method	GENSCAN
Start	5285	End	6584
GI	none	Score	.85
Exons	5285..5298, 6000..6323, 6398..6584		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25931	Strand	-
Start	1	End	7780
Name	OJ990920_20.9C03.C16.o5.gp	Method	AAT/GAP
Start	7265	End	7780
GI	uC-osf1M202048c12b1	Score	710
Exons	7265..7780		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25932	Strand	-
Start	8239	End	8569
Name	OJ990920_20.9C03.C16.o6.gp	Method	AAT/GAP
Start	8239	End	8569
GI	61605_3.R1084	Score	338
Exons	8239..8569		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25933	Strand	
Start	9220	End	9753
Name	OJ990920_20.9C03.C16.o1.tw	Method	TBLASTX:Wheat
Start	9220	End	9576
GI	none	Score	285
Exons	9220..9576, 9228..9398, 9427..9567, 9435..9575		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25933	Strand	
Start	9220	End	9753
Name	OJ990920_20.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	9457	End	9753
GI	none	Score	245
Exons	9457..9753, 9480..9644, 9685..9753		

Seq. No.	12262	Seq. ID	OJ990920_20.9C03.C16
Gene No.	25933	Strand	
Start	9220	End	9753
Name	OJ990920_20.9C03.C16.o2.tw	Method	TBLASTX:Wheat
Start	9576	End	9753
GI	none	Score	174

Exons	9576..9665, 9577..9753		
Seq. No.	12263	Seq. ID	OJ990920_20.9C03.C17
Gene No.	25934	Strand	+
Start	1	End	2258
Name	OJ990920_20.9C03.C17.o1.gp	Method	AAT/GAP
Start	1	End	75
GI	2428185	Score	135
Exons	1..75		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	12263	Seq. ID	OJ990920_20.9C03.C17
Gene No.	25934	Strand	+
Start	1	End	2258
Name	OJ990920_20.9C03.C17.o1.np	Method	AAT/NAP
Start	1	End	2258
GI	5852175	Score	126
Exons	1..94, 711..744, 2163..2258		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	12263	Seq. ID	OJ990920_20.9C03.C17
Gene No.	25934	Strand	+
Start	1	End	2258
Name	OJ990920_20.9C03.C17.o2.np	Method	AAT/NAP
Start	1	End	2258
GI	6691716	Score	670
Exons	1..21, 862..998, 1073..1199, 1275..1436, 1514..1701, 1773..1877, 2028..2076, 2230..2258		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	12263	Seq. ID	OJ990920_20.9C03.C17
Gene No.	25934	Strand	+
Start	1	End	2258
Name	OJ990920_20.9C03.C17.o2.gp	Method	AAT/GAP
Start	606	End	879
GI	61605_1.R1084	Score	474
Exons	606..879		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	12263	Seq. ID	OJ990920_20.9C03.C17
Gene No.	25934	Strand	+
Start	1	End	2258
Name	OJ990920_20.9C03.C17.o1.gs	Method	GENSCAN
Start	712	End	1965
GI	none	Score	.78
Exons	712..744, 884..998, 1073..1378, 1384..1436, 1514..1592, 1721..1965		
Seq. No.	12264	Seq. ID	OJ990920_20.9C03.C18
Gene No.	25935	Strand	+
Start	124	End	524
Name	OJ990920_20.9C03.C18.o1.gs	Method	GENSCAN
Start	124	End	524

GI	none	Score	.95
Exons	124..177, 254..524		

Seq. No.	12265	Seq. ID	OJ990920_20.9C03.C19
Gene No.	25936	Strand	+
Start	1	End	1234
Name	OJ990920_20.9C03.C19.o1.np	Method	AAT/NAP
Start	1	End	1231
GI	4680179	Score	1829
Exons	1..1231		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12265	Seq. ID	OJ990920_20.9C03.C19
Gene No.	25936	Strand	+
Start	1	End	1234
Name	OJ990920_20.9C03.C19.o3.tw	Method	TBLASTX:Wheat
Start	1	End	221
GI	none	Score	43
Exons	1..27, 32..217, 33..221		

Seq. No.	12265	Seq. ID	OJ990920_20.9C03.C19
Gene No.	25936	Strand	+
Start	1	End	1234
Name	OJ990920_20.9C03.C19.o1.gs	Method	GENSCAN
Start	33	End	1234
GI	none	Score	.69
Exons	33..311, 440..1234		

Seq. No.	12265	Seq. ID	OJ990920_20.9C03.C19
Gene No.	25936	Strand	+
Start	1	End	1234
Name	OJ990920_20.9C03.C19.o1.ts	Method	TBLASTX:Soybean
Start	33	End	270
GI	none	Score	286
Exons	33..269, 41..268, 139..270		

Seq. No.	12265	Seq. ID	OJ990920_20.9C03.C19
Gene No.	25936	Strand	+
Start	1	End	1234
Name	OJ990920_20.9C03.C19.o2.tm	Method	TBLASTX:Maize
Start	33	End	289
GI	none	Score	363
Exons	33..287, 35..289, 56..289		

Seq. No.	12265	Seq. ID	OJ990920_20.9C03.C19
Gene No.	25936	Strand	+
Start	1	End	1234
Name	OJ990920_20.9C03.C19.o1.tw	Method	TBLASTX:Wheat
Start	228	End	853
GI	none	Score	109
Exons	228..335, 326..853, 332..568, 337..852		

Seq. No.	12265	Seq. ID	OJ990920_20.9C03.C19
Gene No.	25936	Strand	+
Start	1	End	1234
Name	OJ990920_20.9C03.C19.o1.tm	Method	TBLASTX:Maize
Start	407	End	1006

GI	none	Score	231
Exons	407..568, 415..561, 565..990, 566..1006		

Seq. No.	12265	Seq. ID	OJ990920_20.9C03.C19
Gene No.	25936	Strand	+
Start	1	End	1234
Name	OJ990920_20.9C03.C19.o2.tw	Method	TBLASTX:Wheat
Start	853	End	1186
GI	none	Score	326
Exons	853..1122, 854..1186, 857..1165		

Seq. No.	12266	Seq. ID	OJ990920_20.9C03.C20
Gene No.	25937	Strand	+
Start	1	End	784
Name	OJ990920_20.9C03.C20.o2.np	Method	AAT/NAP
Start	1	End	784
GI	4680186	Score	179
Exons	1..25, 661..784		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12266	Seq. ID	OJ990920_20.9C03.C20
Gene No.	25937	Strand	+
Start	1	End	784
Name	OJ990920_20.9C03.C20.o1.np	Method	AAT/NAP
Start	506	End	564
GI	5852180	Score	44
Exons	506..564		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12266	Seq. ID	OJ990920_20.9C03.C20
Gene No.	25938	Strand	-
Start	459	End	784
Name	OJ990920_20.9C03.C20.o1.gp	Method	AAT/GAP
Start	459	End	784
GI	uC-osflcyp033a04b1	Score	569
Exons	459..784		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12267	Seq. ID	OJ990920_20.9C03.C22
Gene No.	25939	Strand	+
Start	485	End	717
Name	OJ990920_20.9C03.C22.o1.np	Method	AAT/NAP
Start	485	End	717
GI	2627238	Score	71
Exons	485..555, 675..717		
GI Descrip.	(D50565) NADH dehydrogenase subunit 5 [Oryza sativa] gi|2627240|dbj|BAA23492| (D50566) NADH dehydrogenase subunit 5 [Oryza sativa]		

Seq. No.	12268	Seq. ID	OJ990920_20.9C03.C23
Gene No.	25940	Strand	+
Start	1	End	1649
Name	OJ990920_20.9C03.C23.o1.np	Method	AAT/NAP
Start	1	End	1649
GI	5852180	Score	574
Exons	1..52, 1041..1158, 1210..1649		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	12268	Seq. ID	OJ990920_20.9C03.C23
Gene No.	25940	Strand	+
Start	1	End	1649
Name	OJ990920_20.9C03.C23.o1.gs	Method	GENSCAN
Start	213	End	356
GI	none	Score	.47
Exons	213..356		

Seq. No.	12268	Seq. ID	OJ990920_20.9C03.C23
Gene No.	25940	Strand	+
Start	1	End	1649
Name	OJ990920_20.9C03.C23.o2.gs	Method	GENSCAN
Start	717	End	848
GI	none	Score	.46
Exons	717..848		

Seq. No.	12268	Seq. ID	OJ990920_20.9C03.C23
Gene No.	25941	Strand	-
Start	1	End	286
Name	OJ990920_20.9C03.C23.o1.gp	Method	AAT/GAP
Start	1	End	286
GI	uC-osflcyp033a04b1	Score	472
Exons	1..286		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	12268	Seq. ID	OJ990920_20.9C03.C23
Gene No.	25942	Strand	-
Start	1029	End	1628
Name	OJ990920_20.9C03.C23.o3.gs	Method	GENSCAN
Start	1029	End	1628
GI	none	Score	.78
Exons	1029..1628		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o1.np	Method	AAT/NAP
Start	296	End	2110
GI	4680179	Score	2641
Exons	296..2110		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o4.tw	Method	TBLASTX:Wheat
Start	341	End	674
GI	none	Score	84
Exons	341..673, 377..670, 405..674		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o1.tm	Method	TBLASTX:Maize

Start	521	End	1120
GI	none	Score	215
Exons	521..961, 537..962, 959..1120, 966..1112		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o1.tw	Method	TBLASTX:Wheat
Start	674	End	1300
GI	none	Score	55
Exons	674..1300, 677..799, 786..1244		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o2.tm	Method	TBLASTX:Maize
Start	1169	End	1460
GI	none	Score	211
Exons	1169..1459, 1173..1460, 1257..1460		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	1259	End	1519
GI	none	Score	160
Exons	1259..1519, 1260..1514		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o1.tc	Method	TBLASTX:Cress
Start	1283	End	1600
GI	none	Score	79
Exons	1283..1426, 1284..1424, 1427..1600		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o2.tw	Method	TBLASTX:Wheat
Start	1307	End	1865
GI	none	Score	330
Exons	1307..1843, 1311..1865		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o3.tm	Method	TBLASTX:Maize
Start	1874	End	2110
GI	none	Score	139
Exons	1874..2110, 1878..2108, 1880..2110		

Seq. No.	12269	Seq. ID	OJ990920_20.9C03.C24
Gene No.	25943	Strand	-
Start	296	End	2110
Name	OJ990920_20.9C03.C24.o3.tw	Method	TBLASTX:Wheat
Start	1874	End	2110

GI	none	Score	215
Exons	1874..2110, 1878..2102, 1889..2110		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25944	Strand	-
Start	1	End	3216
Name	OJ990920_20.9C03.C25.o1.np	Method	AAT/NAP
Start	1	End	3216
GI	4680179	Score	3525
Exons	1..2115, 2149..3216		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25944	Strand	-
Start	1	End	3216
Name	OJ990920_20.9C03.C25.o1.gs	Method	GENSCAN
Start	43	End	3213
GI	none	Score	.91
Exons	43..3213		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o7.tw	Method	TBLASTX:Wheat
Start	1	End	3514
GI	none	Score	100
Exons	1..213, 5..214, 3452..3514		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o1.tw	Method	TBLASTX:Wheat
Start	214	End	717
GI	none	Score	362
Exons	214..717, 296..685		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o1.tm	Method	TBLASTX:Maize
Start	292	End	646
GI	none	Score	232
Exons	292..645, 296..646		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o2.ts	Method	TBLASTX:Soybean
Start	466	End	711
GI	none	Score	93
Exons	466..711, 467..694		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o2.tm	Method	TBLASTX:Maize
Start	682	End	1182

GI	none	Score	50
Exons	682..996, 725..775, 803..856, 1003..1182, 1028..1174		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o3.tw	Method	TBLASTX:Wheat
Start	718	End	1020
GI	none	Score	268
Exons	718..1020, 734..1018		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o1.ts	Method	TBLASTX:Soybean
Start	733	End	1128
GI	none	Score	196
Exons	733..1092, 734..1024, 1052..1090, 1096..1128, 1097..1126		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o2.tw	Method	TBLASTX:Wheat
Start	1069	End	1551
GI	none	Score	216
Exons	1069..1446, 1112..1447, 1501..1551		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o3.tm	Method	TBLASTX:Maize
Start	1250	End	1539
GI	none	Score	131
Exons	1250..1441, 1252..1443, 1252..1539		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o5.tw	Method	TBLASTX:Wheat
Start	1666	End	2088
GI	none	Score	79
Exons	1666..1833, 1721..1834, 1879..2088, 1880..2032		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o5.tm	Method	TBLASTX:Maize
Start	1771	End	2124
GI	none	Score	188
Exons	1771..2124		

Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o4.tw	Method	TBLASTX:Wheat
Start	2407	End	2758
GI	none	Score	115

Exons	2407..2757, 2564..2758		
Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o4.tm	Method	TBLASTX:Maize
Start	2452	End	2757
GI	none	Score	91
Exons	2452..2757, 2579..2743		
Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o6.tw	Method	TBLASTX:Wheat
Start	2792	End	3134
GI	none	Score	108
Exons	2792..2989, 2794..2991, 3102..3134		
Seq. No.	12270	Seq. ID	OJ990920_20.9C03.C25
Gene No.	25945	Strand	-
Start	3462	End	4271
Name	OJ990920_20.9C03.C25.o2.gs	Method	GENSCAN
Start	3462	End	4271
GI	none	Score	.74
Exons	3462..4271		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25946	Strand	-
Start	1	End	3760
Name	OJ990920_20.9C03.C26.o1.np	Method	AAT/NAP
Start	1	End	3760
GI	4680179	Score	4306
Exons	1..2659, 2693..3760		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25946	Strand	-
Start	1	End	3760
Name	OJ990920_20.9C03.C26.o1.gs	Method	GENSCAN
Start	178	End	3757
GI	none	Score	.78
Exons	178..2255, 2581..3757		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25947	Strand	-
Start	4672	End	5056
Name	OJ990920_20.9C03.C26.o1.gp	Method	AAT/GAP
Start	4672	End	5056
GI	uC-osflcyp033a04b1	Score	616
Exons	4672..5056		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25948	Strand	-
Start	5475	End	6516
Name	OJ990920_20.9C03.C26.o2.gs	Method	GENSCAN

Start	5475	End	6516
GI	none	Score	.63
Exons	5475..5582, 5839..6010, 6140..6516		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o2.tm	Method	TBLASTX:Maize
Start	1	End	303
GI	none	Score	166
Exons	1..291, 1..303, 41..292		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o5.tw	Method	TBLASTX:Wheat
Start	1	End	261
GI	none	Score	161
Exons	1..255, 1..261		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o2.ts	Method	TBLASTX:Soybean
Start	220	End	480
GI	none	Score	153
Exons	220..480, 221..475, 229..477		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o1.tc	Method	TBLASTX:Cress
Start	244	End	561
GI	none	Score	85
Exons	244..387, 245..385, 388..561		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o1.tw	Method	TBLASTX:Wheat
Start	268	End	846
GI	none	Score	339
Exons	268..846, 269..835		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o4.tm	Method	TBLASTX:Maize
Start	304	End	618
GI	none	Score	107
Exons	304..618, 305..508, 454..594		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	835	End	1189

GI	none	Score	237
Exons	835..1188, 839..1189		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o2.tw	Method	TBLASTX:Wheat
Start	847	End	1260
GI	none	Score	353
Exons	847..1260, 848..1228		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o3.ts	Method	TBLASTX:Soybean
Start	1009	End	1254
GI	none	Score	93
Exons	1009..1254, 1010..1237		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o3.tm	Method	TBLASTX:Maize
Start	1225	End	1725
GI	none	Score	50
Exons	1225..1539, 1268..1318, 1346..1399, 1546..1725, 1571..1717		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o4.tw	Method	TBLASTX:Wheat
Start	1261	End	1563
GI	none	Score	272
Exons	1261..1563, 1277..1561, 1482..1562		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	1276	End	1671
GI	none	Score	193
Exons	1276..1635, 1277..1567, 1595..1633, 1639..1671, 1640..1669		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o3.tw	Method	TBLASTX:Wheat
Start	1612	End	2094
GI	none	Score	205
Exons	1612..1989, 1615..1980, 1655..1990, 2044..2094		

Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o2.tc	Method	TBLASTX:Cress
Start	1648	End	1965
GI	none	Score	180

Exons	1648..1965		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o5.tm	Method	TBLASTX:Maize
Start	1793	End	2085
GI	none	Score	137
Exons	1793..1984, 1795..1986, 1795..2085		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o8.tw	Method	TBLASTX:Wheat
Start	2194	End	2632
GI	none	Score	46
Exons	2194..2235, 2312..2377, 2313..2378, 2423..2632, 2424..2576		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o6.tw	Method	TBLASTX:Wheat
Start	2951	End	3315
GI	none	Score	115
Exons	2951..3301, 3108..3302, 3133..3315		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o6.tm	Method	TBLASTX:Maize
Start	2996	End	3301
GI	none	Score	91
Exons	2996..3301, 3123..3287		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o7.tw	Method	TBLASTX:Wheat
Start	3336	End	3535
GI	none	Score	112
Exons	3336..3533, 3338..3535		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o3.gs	Method	GENSCAN
Start	7168	End	7977
GI	none	Score	.51
Exons	7168..7977		
Seq. No.	12271	Seq. ID	OJ990920_20.9C03.C26
Gene No.	25949	Strand	-
Start	7168	End	7977
Name	OJ990920_20.9C03.C26.o3.gp	Method	AAT/GAP
Start	7248	End	7702
GI	95437_1.R1084	Score	770
Exons	7248..7702		

GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25950	Strand	+
Start	4019	End	6014
Name	OJ990920_20.9C03.C27.o2.gs	Method	GENSCAN
Start	4019	End	6014
GI	none	Score	.81
Exons	4019..4082, 5119..5188, 5331..5499, 5858..5897, 5950..6014		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25951	Strand	+
Start	12140	End	17671
Name	OJ990920_20.9C03.C27.o2.np	Method	AAT/NAP
Start	12036	End	15745
GI	3123130	Score	1430
Exons	12036..12843, 13980..14433, 14594..14791, 14869..14950, 15639..15745		
GI Descrip.	HYPOTHETICAL 61.8 KD TRP-ASP REPEATS CONTAINING PROTEIN T32G6.2 IN CHROMOSOME II gi|2618685|gb|AAB84332.1| (AC002510) putative U4/U6 small nuclear ribonucleoprotein [Arabidopsis thaliana]		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25951	Strand	+
Start	12140	End	17671
Name	OJ990920_20.9C03.C27.o3.gp	Method	AAT/GAP
Start	12039	End	12489
GI	43056_1.R1084	Score	890
Exons	12039..12489		
GI Descrip.	'3123130/sp|O22212|YG62_ARATH 9.0e-15 HYPOTHETICAL 61.8 KD TRP-ASP REPEATS CONTAINING PROTEIN T32G6.2 IN CHROMOSOME II >gi_2618685 (AC002510) putative small nuclear ribonucleoprotein Prp4p [Arabidopsis thaliana] >gi_3241948 (AC004625) putative small nuclear ribonucleoprotein Prp4p [Arabidopsis thaliana]'		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25951	Strand	+
Start	12140	End	17671
Name	OJ990920_20.9C03.C27.o4.gs	Method	GENSCAN
Start	12140	End	17671
GI	none	Score	.9
Exons	12140..12843, 13980..14433, 14594..14791, 14869..14950, 16647..17091, 17239..17671		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25951	Strand	+
Start	12140	End	17671
Name	OJ990920_20.9C03.C27.o4.gp	Method	AAT/GAP
Start	14576	End	15942
GI	57088_1.R1084	Score	1060
Exons	14576..14791, 14869..14950, 15639..15942		
GI Descrip.	'3123130/sp|O22212|YG62_ARATH 8.0e-48 HYPOTHETICAL 61.8 KD TRP-ASP REPEATS CONTAINING PROTEIN T32G6.2 IN CHROMOSOME II >gi_2618685 (AC002510) putative small nuclear ribonucleoprotein Prp4p [Arabidopsis thaliana] >gi_3241948 (AC004625) putative		

small nuclear ribonucleoprotein Prp4p [Arabidopsis thaliana]'

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25952	Strand	-
Start	318	End	1987
Name	OJ990920_20.9C03.C27.o1.gs	Method	GENSCAN
Start	318	End	1987
GI	none	Score	.53
Exons	318..610, 916..944, 1614..1987		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25952	Strand	-
Start	318	End	1987
Name	OJ990920_20.9C03.C27.o1.np	Method	AAT/NAP
Start	1307	End	1987
GI	5902448	Score	1058
Exons	1307..1987		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25953	Strand	-
Start	6482	End	7339
Name	OJ990920_20.9C03.C27.o1.gp	Method	AAT/GAP
Start	6482	End	7339
GI	none	Score	660
Exons	6482..6762, 7258..7339		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25954	Strand	-
Start	7273	End	8691
Name	OJ990920_20.9C03.C27.o3.gs	Method	GENSCAN
Start	7273	End	8691
GI	none	Score	.54
Exons	7273..8691		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25954	Strand	-
Start	7273	End	8691
Name	OJ990920_20.9C03.C27.o2.gp	Method	AAT/GAP
Start	8201	End	8648
GI	none	Score	816
Exons	8201..8648		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o2.tw	Method	TBLASTX:Wheat
Start	1595	End	1877
GI	none	Score	61
Exons	1595..1876, 1635..1745, 1779..1877		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o2.tm	Method	TBLASTX:Maize
Start	12682	End	14743
GI	none	Score	158

Exons	12682..12843, 12683..12841, 12684..12848, 13945..14436, 13977..14435, 13999..14133, 14143..14382, 14585..14743, 14593..14670, 14594..14668, 14599..14670, 14603..14743		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o2.ts	Method	TBLASTX:Soybean
Start	13942	End	14794
GI	none	Score	84
Exons	13942..14133, 13999..14133, 14068..14133, 14143..14331, 14143..14439, 14185..14436, 14196..14279, 14230..14433, 14331..14435, 14590..14781, 14593..14793, 14594..14743, 14594..14794		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o5.gp	Method	AAT/GAP
Start	18305	End	20035
GI	16044_1.R1084	Score	2586
Exons	18305..18865, 18999..19202, 19287..19476, 19594..20035		
GI Descrip.	'5596484/emb|CAB51422.1| 1.0e-151 (AL096882) beta-adaptin-like protein [Arabidopsis thaliana]'		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o3.tw	Method	TBLASTX:Wheat
Start	18330	End	18671
GI	none	Score	70
Exons	18330..18350, 18338..18454, 18407..18454, 18449..18484, 18569..18670, 18570..18671		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o1.tm	Method	TBLASTX:Maize
Start	18380	End	19987
GI	none	Score	97
Exons	18380..18511, 18380..18454, 18393..18509, 18556..18867, 18561..18866, 18569..18874, 18569..18871, 18570..18890, 18997..19203, 18999..19157, 18999..19205, 19000..19203, 19284..19445, 19285..19476, 19286..19456, 19593..19664, 19594..19665, 19597..19665, 19599..19694, 19668..19943, 19698..19898, 19717..19947, 19947..19985, 19949..19987		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o1.ts	Method	TBLASTX:Soybean
Start	18560	End	19205
GI	none	Score	76
Exons	18560..18652, 18573..18890, 18575..18871, 18576..18872, 18695..18904, 18700..18906, 18999..19205, 19000..19194		
Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27

Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o2.tc	Method	TBLASTX:Cress
Start	18569	End	18752
GI	none	Score	68
Exons	18569..18727, 18572..18751, 18573..18752		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o5.gs	Method	GENSCAN
Start	18569	End	19909
GI	none	Score	.9
Exons	18569..18865, 18999..19106, 19287..19476, 19594..19909		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o3.np	Method	AAT/NAP
Start	18569	End	20035
GI	5596484	Score	1101
Exons	18569..18865, 18999..19202, 19287..19476, 19594..20035		
GI Descrip.	(AL096882) beta-adaptin-like protein [Arabidopsis thaliana]		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o1.tw	Method	TBLASTX:Wheat
Start	18671	End	19404
GI	none	Score	278
Exons	18671..18871, 18672..18890, 18997..19203, 18999..19157, 18999..19205, 19000..19203, 19275..19403, 19282..19404		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o1.tc	Method	TBLASTX:Cress
Start	18753	End	19832
GI	none	Score	92
Exons	18753..18893, 18755..18871, 18999..19157, 18999..19205, 19000..19203, 19275..19442, 19282..19473, 19593..19631, 19594..19629, 19623..19664, 19752..19832		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o4.ts	Method	TBLASTX:Soybean
Start	19275	End	19476
GI	none	Score	114
Exons	19275..19448, 19279..19473, 19281..19445, 19282..19476		

Seq. No.	12272	Seq. ID	OJ990920_20.9C03.C27
Gene No.	25955	Strand	-
Start	18569	End	20035
Name	OJ990920_20.9C03.C27.o3.ts	Method	TBLASTX:Soybean
Start	19584	End	19987
GI	none	Score	117

Exons	19584..19664, 19593..19748, 19750..19806, 19764..19898, 19768..19899, 19846..19941, 19847..19945, 19890..19946, 19947..19985, 19949..19987		
Seq. No.	12273	Seq. ID	OJ990920_20.9C03.C28
Gene No.	25956	Strand	+
Start	246	End	252
Name	OJ990920_20.9C03.C28.o1.gs	Method	GENSCAN
Start	246	End	252
GI	none	Score	.55
Exons	246..252		
Seq. No.	12274	Seq. ID	OJ990920_20.9C03.C29
Gene No.	25957	Strand	+
Start	1	End	1620
Name	OJ990920_20.9C03.C29.o1.np	Method	AAT/NAP
Start	1	End	1266
GI	5852180	Score	294
Exons	1..302, 890..1266		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	12274	Seq. ID	OJ990920_20.9C03.C29
Gene No.	25957	Strand	+
Start	1	End	1620
Name	OJ990920_20.9C03.C29.o1.gs	Method	GENSCAN
Start	924	End	1620
GI	none	Score	.66
Exons	924..1150, 1190..1342, 1356..1620		
Seq. No.	12274	Seq. ID	OJ990920_20.9C03.C29
Gene No.	25958	Strand	-
Start	347	End	1380
Name	OJ990920_20.9C03.C29.o1.gp	Method	AAT/GAP
Start	347	End	1380
GI	101153_1.R1084	Score	713
Exons	347..573, 1044..1380		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	12274	Seq. ID	OJ990920_20.9C03.C29
Gene No.	25959	Strand	-
Start	2257	End	2289
Name	OJ990920_20.9C03.C29.o2.gs	Method	GENSCAN
Start	2257	End	2289
GI	none	Score	.59
Exons	2257..2289		
Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o1.np	Method	AAT/NAP
Start	1	End	1946
GI	4680179	Score	2025
Exons	1..1946		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30

Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o3.tw	Method	TBLASTX:Wheat
Start	1	End	300
GI	none	Score	277
Exons	1..300, 6..86, 59..151		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o2.tm	Method	TBLASTX:Maize
Start	1	End	255
GI	none	Score	214
Exons	1..255, 6..86, 186..254		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o1.gs	Method	GENSCAN
Start	74	End	1869
GI	none	Score	.44
Exons	74..655, 1100..1869		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o4.tm	Method	TBLASTX:Maize
Start	601	End	923
GI	none	Score	193
Exons	601..921, 654..746, 730..774, 843..923		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o4.tw	Method	TBLASTX:Wheat
Start	655	End	1008
GI	none	Score	239
Exons	655..1008, 831..965		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	1228	End	1692
GI	none	Score	378
Exons	1228..1692, 1236..1403, 1491..1658		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o1.tw	Method	TBLASTX:Wheat
Start	1228	End	1638
GI	none	Score	475
Exons	1228..1638, 1230..1595, 1267..1596		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+

Start	1	End	1946
Name	OJ990920_20.9C03.C30.o2.ts	Method	TBLASTX:Soybean
Start	1228	End	1506
GI	none	Score	179
Exons	1228..1506		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	1579	End	1928
GI	none	Score	57
Exons	1579..1611, 1579..1611, 1615..1917, 1616..1759, 1737..1928		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o2.tw	Method	TBLASTX:Wheat
Start	1687	End	1945
GI	none	Score	296
Exons	1687..1929, 1737..1916, 1913..1945, 1918..1944		

Seq. No.	12275	Seq. ID	OJ990920_20.9C03.C30
Gene No.	25960	Strand	+
Start	1	End	1946
Name	OJ990920_20.9C03.C30.o3.tm	Method	TBLASTX:Maize
Start	1693	End	1856
GI	none	Score	200
Exons	1693..1854, 1707..1856		

Seq. No.	12276	Seq. ID	OJ990920_20.9C03.C31
Gene No.	25961	Strand	-
Start	1	End	1048
Name	OJ990920_20.9C03.C31.o1.np	Method	AAT/NAP
Start	1	End	1048
GI	3451071	Score	614
Exons	1..34, 136..328, 400..463, 588..797, 1016..1048		
GI Descrip.	(AL031326) beta adaptin-like protein [Arabidopsis thaliana]		

Seq. No.	12276	Seq. ID	OJ990920_20.9C03.C31
Gene No.	25961	Strand	-
Start	1	End	1048
Name	OJ990920_20.9C03.C31.o1.gs	Method	GENSCAN
Start	125	End	797
GI	none	Score	.61
Exons	125..328, 400..463, 588..797		

Seq. No.	12276	Seq. ID	OJ990920_20.9C03.C31
Gene No.	25961	Strand	-
Start	1	End	1048
Name	OJ990920_20.9C03.C31.o1.tm	Method	TBLASTX:Maize
Start	140	End	784
GI	none	Score	233
Exons	140..331, 146..331, 395..466, 400..462, 582..782, 587..784, 587..784		

Seq. No.	12276	Seq. ID	OJ990920_20.9C03.C31

Gene No.	25961	Strand	-
Start	1	End	1048
Name	OJ990920_20.9C03.C31.o2.ts	Method	TBLASTX:Soybean
Start	140	End	270
GI	none	Score	81
Exons	140..268, 145..270, 146..268, 147..269		

Seq. No.	12276	Seq. ID	OJ990920_20.9C03.C31
Gene No.	25961	Strand	-
Start	1	End	1048
Name	OJ990920_20.9C03.C31.o1.gp	Method	AAT/GAP
Start	179	End	821
GI	16044_2.R1084	Score	729
Exons	179..328, 400..463, 588..821		
GI Descrip.	'5596484/emb|CAB51422.1| 1.0e-131 (AL096882) beta-adaptin-like protein [Arabidopsis thaliana]'		

Seq. No.	12276	Seq. ID	OJ990920_20.9C03.C31
Gene No.	25961	Strand	-
Start	1	End	1048
Name	OJ990920_20.9C03.C31.o1.ts	Method	TBLASTX:Soybean
Start	271	End	784
GI	none	Score	76
Exons	271..330, 272..331, 272..331, 276..335, 400..462, 400..462, 404..466, 582..782, 585..779, 587..784, 590..784		

Seq. No.	12276	Seq. ID	OJ990920_20.9C03.C31
Gene No.	25961	Strand	-
Start	1	End	1048
Name	OJ990920_20.9C03.C31.o1.tc	Method	TBLASTX:Cress
Start	641	End	784
GI	none	Score	170
Exons	641..784, 642..782, 643..783		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25962	Strand	+
Start	718	End	5503
Name	OJ990920_20.9C03.C32.o1.gs	Method	GENSCAN
Start	718	End	5503
GI	none	Score	.71
Exons	718..834, 1233..1318, 1472..1596, 1623..1737, 1899..2083, 2401..2432, 2530..2617, 2784..2908, 2976..3167, 3238..3296, 3370..4110, 4247..4392, 4503..4874, 4883..5016, 5411..5503		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25962	Strand	+
Start	718	End	5503
Name	OJ990920_20.9C03.C32.o1.np	Method	AAT/NAP
Start	1071	End	2799
GI	6721512	Score	111
Exons	1071..1183, 1211..1351, 2751..2799		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25962	Strand	+
Start	718	End	5503
Name	OJ990920_20.9C03.C32.o3.np	Method	AAT/NAP

Start	1943	End	4111
GI	6721561	Score	1106
Exons	1943..1984, 2949..3167, 3238..3296, 3370..4111		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25962	Strand	+
Start	718	End	5503
Name	OJ990920_20.9C03.C32.o2.np	Method	AAT/NAP
Start	2106	End	2704
GI	6907089	Score	239
Exons	2106..2704		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25963	Strand	+
Start	12263	End	19379
Name	OJ990920_20.9C03.C32.o5.gs	Method	GENSCAN
Start	12263	End	19379
GI	none	Score	.65
Exons	12263..12413, 12784..12834, 12970..13608, 14309..14421, 14665..14749, 15178..15283, 15618..15704, 15779..15876, 15956..16065, 17383..17553, 17665..17789, 17888..18117, 18584..18652, 19204..19379		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25963	Strand	+
Start	12263	End	19379
Name	OJ990920_20.9C03.C32.o1.gp	Method	AAT/GAP
Start	13853	End	14003
GI	uC-osflcyp177g01a1	Score	239
Exons	13853..14003		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25963	Strand	+
Start	12263	End	19379
Name	OJ990920_20.9C03.C32.o2.gp	Method	AAT/GAP
Start	15998	End	16496
GI	2801103	Score	577
Exons	15998..16065, 16229..16496		
GI Descrip.	5262764/emb|CAB45912.1| 1.0e-13 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25964	Strand	+
Start	19296	End	19771
Name	OJ990920_20.9C03.C32.o3.gp	Method	AAT/GAP
Start	19296	End	19771
GI	none	Score	621
Exons	19296..19398, 19539..19771		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o4.np	Method	AAT/NAP
Start	1	End	22223
GI	5922631	Score	1252
Exons	1..71, 5986..6527, 7133..7940, 8067..8319, 8362..8775, 22061..22223		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o2.gs	Method	GENSCAN
Start	5635	End	7022
GI	none	Score	.94
Exons	5635..6073, 6271..7022		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o5.tw	Method	TBLASTX:Wheat
Start	5647	End	6027
GI	none	Score	61
Exons	5647..5778, 5648..5773, 5803..6027		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o2.ts	Method	TBLASTX:Soybean
Start	6126	End	6491
GI	none	Score	91
Exons	6126..6491, 6307..6459		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o2.tw	Method	TBLASTX:Wheat
Start	6126	End	6545
GI	none	Score	292
Exons	6126..6545, 6127..6498, 6141..6542		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o3.tm	Method	TBLASTX:Maize
Start	6219	End	6602
GI	none	Score	143
Exons	6219..6602, 6220..6498		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32

Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o2.tm	Method	TBLASTX:Maize
Start	6630	End	6986
GI	none	Score	211
Exons	6630..6986, 6631..6924		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o1.tw	Method	TBLASTX:Wheat
Start	6660	End	7115
GI	none	Score	277
Exons	6660..7040, 6661..7041, 6675..7058, 7040..7114, 7044..7115		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o3.tw	Method	TBLASTX:Wheat
Start	7306	End	7761
GI	none	Score	84
Exons	7306..7542, 7363..7530, 7454..7540, 7579..7761, 7580..7753		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o3.gs	Method	GENSCAN
Start	7438	End	8983
GI	none	Score	.54
Exons	7438..7770, 7834..8328, 8353..8540, 8734..8983		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o4.tw	Method	TBLASTX:Wheat
Start	8392	End	8789
GI	none	Score	62
Exons	8392..8568, 8441..8590, 8565..8666, 8622..8741, 8625..8738, 8739..8789		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o4.gs	Method	GENSCAN
Start	9132	End	11115
GI	none	Score	.68
Exons	9132..10076, 10139..10317, 10805..10842, 11033..11115		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o2.tc	Method	TBLASTX:Cress
Start	14307	End	15281
GI	none	Score	127
Exons	14307..14408, 14308..14427, 14494..14556, 14662..14748, 14664..14777, 15174..15281, 15176..15277		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o4.tm	Method	TBLASTX:Maize
Start	15776	End	16300
GI	none	Score	117
Exons	15776..15877, 15777..15881, 15795..15881, 15954..16067, 15955..16080, 15955..16065, 16002..16079, 16220..16300, 16220..16300		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o3.ts	Method	TBLASTX:Soybean
Start	15789	End	16279
GI	none	Score	129
Exons	15789..15881, 15794..15877, 15955..16050, 16220..16279		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o1.tc	Method	TBLASTX:Cress
Start	17404	End	18065
GI	none	Score	190
Exons	17404..17553, 17466..17549, 17664..17789, 17665..17790, 17888..18064, 17889..18065		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	17404	End	18038
GI	none	Score	233
Exons	17404..17553, 17404..17499, 17466..17549, 17664..17789, 17665..17790, 17855..18037, 17865..18035, 17888..18037, 17889..18038		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o1.ts	Method	TBLASTX:Soybean
Start	17743	End	19379
GI	none	Score	61
Exons	17743..17790, 17763..17789, 17888..18115, 17889..18086, 17894..18121, 17899..18117, 18612..18653, 18875..18946, 19179..19379, 19184..19357		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32
Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o3.tc	Method	TBLASTX:Cress
Start	18612	End	19376
GI	none	Score	68
Exons	18612..18653, 18877..18966, 18878..18967, 19173..19376, 19196..19372		

Seq. No.	12277	Seq. ID	OJ990920_20.9C03.C32

Gene No.	25965	Strand	-
Start	1	End	22535
Name	OJ990920_20.9C03.C32.o6.gs	Method	GENSCAN
Start	20075	End	22535
GI	none	Score	.86
Exons	20075..20776, 20902..21033, 21552..21815, 22011..22334, 22452..22535		

Seq. No.	12278	Seq. ID	OJ990920_20.9C03.C34
Gene No.	25966	Strand	+
Start	1	End	87
Name	OJ990920_20.9C03.C34.o1.gp	Method	AAT/GAP
Start	1	End	87
GI	2428464	Score	188
Exons	1..87		

Seq. No.	12278	Seq. ID	OJ990920_20.9C03.C34
Gene No.	25967	Strand	-
Start	183	End	299
Name	OJ990920_20.9C03.C34.o1.gs	Method	GENSCAN
Start	183	End	299
GI	none	Score	.98
Exons	183..299		

Seq. No.	12279	Seq. ID	OJ990720_10.9C17.C2
Gene No.	25968	Strand	-
Start	59	End	204
Name	OJ990720_10.9C17.C2.o1.gs	Method	GENSCAN
Start	59	End	204
GI	none	Score	.88
Exons	59..112, 177..204		

Seq. No.	12280	Seq. ID	OJ990720_10.9C17.C3
Gene No.	25969	Strand	+
Start	1	End	746
Name	OJ990720_10.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	746
GI	1346735	Score	149
Exons	1..142, 289..386, 522..746		
GI Descrip.	2,3-BISPHOSPHOGLYCERATE-INDEPENDENT PHOSPHOGLYCERATE MUTASE (PHOSPHOGLYCEROMUTASE) (BPG-INDEPENDENT PGAM) (PGAM-I) gi|1076562|pir||S49647 phosphoglycerate mutase (EC 5.4.2.1) - castor bean gi|474170|emb|CAA49995| (X70652) phosphoglycerate mutase [Ricinus communis]		

Seq. No.	12280	Seq. ID	OJ990720_10.9C17.C3
Gene No.	25970	Strand	-
Start	29	End	588
Name	OJ990720_10.9C17.C3.o1.gs	Method	GENSCAN
Start	29	End	588
GI	none	Score	.57
Exons	29..129, 458..588		

Seq. No.	12281	Seq. ID	OJ990720_10.9C17.C4
Gene No.	25971	Strand	+
Start	35	End	352
Name	OJ990720_10.9C17.C4.o1.gs	Method	GENSCAN

Start	35	End	352
GI	none	Score	.96
Exons	35..352		

Seq. No.	12282	Seq. ID	OJ990720_10.9C17.C5
Gene No.	25972	Strand	-
Start	34	End	105
Name	OJ990720_10.9C17.C5.o1.gs	Method	GENSCAN
Start	34	End	105
GI	none	Score	.71
Exons	34..105		

Seq. No.	12283	Seq. ID	OJ990720_10.9C17.C6
Gene No.	25973	Strand	+
Start	328	End	402
Name	OJ990720_10.9C17.C6.o1.gs	Method	GENSCAN
Start	328	End	402
GI	none	Score	.4
Exons	328..402		

Seq. No.	12284	Seq. ID	OJ990720_10.9C17.C7
Gene No.	25974	Strand	+
Start	102	End	241
Name	OJ990720_10.9C17.C7.o1.gs	Method	GENSCAN
Start	102	End	241
GI	none	Score	.91
Exons	102..241		

Seq. No.	12285	Seq. ID	OJ990720_10.9C17.C11
Gene No.	25975	Strand	-
Start	20	End	186
Name	OJ990720_10.9C17.C11.o1.gs	Method	GENSCAN
Start	20	End	186
GI	none	Score	.68
Exons	20..186		

Seq. No.	12286	Seq. ID	OJ990720_10.9C17.C12
Gene No.	25976	Strand	+
Start	20	End	76
Name	OJ990720_10.9C17.C12.o1.gs	Method	GENSCAN
Start	20	End	76
GI	none	Score	.59
Exons	20..76		

Seq. No.	12286	Seq. ID	OJ990720_10.9C17.C12
Gene No.	25977	Strand	-
Start	1	End	82
Name	OJ990720_10.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	82
GI	586238	Score	135
Exons	1..82		
GI Descrip.	VIVIPAROUS PROTEIN HOMOLOG gi|632294|pir||S48899 VP1 protein (OSVP1) - Oryza sativa gi|391885|dbj|BAA04066.1| (D16640) VP1 protein (OSVP1) [Oryza sativa]		

Seq. No.	12287	Seq. ID	OJ990720_10.9C17.C13
Gene No.	25978	Strand	-

Start	1	End	600
Name	OJ990720_10.9C17.C13.o1.np	Method	AAT/NAP
Start	1	End	600
GI	5902444	Score	436
Exons	1..600		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12287	Seq. ID	OJ990720_10.9C17.C13
Gene No.	25978	Strand	-
Start	1	End	600
Name	OJ990720_10.9C17.C13.o1.tw	Method	TBLASTX:Wheat
Start	8	End	319
GI	none	Score	82
Exons	8..100, 12..98, 137..319, 138..311		

Seq. No.	12287	Seq. ID	OJ990720_10.9C17.C13
Gene No.	25978	Strand	-
Start	1	End	600
Name	OJ990720_10.9C17.C13.o1.gs	Method	GENSCAN
Start	236	End	547
GI	none	Score	.52
Exons	236..361, 380..547		

Seq. No.	12288	Seq. ID	OJ990720_10.9C17.C14
Gene No.	25979	Strand	-
Start	101	End	571
Name	OJ990720_10.9C17.C14.o1.tc	Method	TBLASTX:Cress
Start	95	End	348
GI	none	Score	76
Exons	95..181, 96..179, 292..348, 300..347, 301..348		

Seq. No.	12288	Seq. ID	OJ990720_10.9C17.C14
Gene No.	25979	Strand	-
Start	101	End	571
Name	OJ990720_10.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	95	End	348
GI	none	Score	104
Exons	95..181, 96..179, 281..346, 291..347, 292..348, 292..348		

Seq. No.	12288	Seq. ID	OJ990720_10.9C17.C14
Gene No.	25979	Strand	-
Start	101	End	571
Name	OJ990720_10.9C17.C14.o1.ts	Method	TBLASTX:Soybean
Start	95	End	348
GI	none	Score	56
Exons	95..178, 95..181, 96..179, 292..348, 294..338, 295..339		

Seq. No.	12288	Seq. ID	OJ990720_10.9C17.C14
Gene No.	25979	Strand	-
Start	101	End	571
Name	OJ990720_10.9C17.C14.o1.np	Method	AAT/NAP
Start	101	End	571
GI	138603	Score	133
Exons	101..177, 297..413, 547..571		
GI Descrip.	REGULATORY PROTEIN VIVIPAROUS-1 gi|100922|pir||A40024 regulatory protein Viviparous-1 - maize gi|168605 (M60214) viviparous-1 [Zea mays]		

Seq. No.	12289	Seq. ID	OJ990720_10.9C17.C15
Gene No.	25980	Strand	-
Start	208	End	375
Name	OJ990720_10.9C17.C15.o1.gs	Method	GENSCAN
Start	208	End	375
GI	none	Score	.9
Exons	208..375		

Seq. No.	12290	Seq. ID	OJ990720_10.9C17.C16
Gene No.	25981	Strand	+
Start	266	End	396
Name	OJ990720_10.9C17.C16.o1.gs	Method	GENSCAN
Start	266	End	396
GI	none	Score	.54
Exons	266..396		

Seq. No.	12291	Seq. ID	OJ990720_10.9C17.C18
Gene No.	25982	Strand	-
Start	1	End	666
Name	OJ990720_10.9C17.C18.o1.np	Method	AAT/NAP
Start	1	End	666
GI	4165550	Score	214
Exons	1..38, 320..536, 642..666		
GI Descrip.	(AJ004915) apgm [Malus domestica]		

Seq. No.	12291	Seq. ID	OJ990720_10.9C17.C18
Gene No.	25982	Strand	-
Start	1	End	666
Name	OJ990720_10.9C17.C18.o1.gs	Method	GENSCAN
Start	291	End	517
GI	none	Score	.58
Exons	291..517		

Seq. No.	12291	Seq. ID	OJ990720_10.9C17.C18
Gene No.	25982	Strand	-
Start	1	End	666
Name	OJ990720_10.9C17.C18.o1.ts	Method	TBLASTX:Soybean
Start	326	End	665
GI	none	Score	160
Exons	326..535, 327..536, 328..534,	633..665	

Seq. No.	12291	Seq. ID	OJ990720_10.9C17.C18
Gene No.	25982	Strand	-
Start	1	End	666
Name	OJ990720_10.9C17.C18.o1.tc	Method	TBLASTX:Cress
Start	327	End	665
GI	none	Score	108
Exons	327..485, 327..536, 328..531,	633..665	

Seq. No.	12291	Seq. ID	OJ990720_10.9C17.C18
Gene No.	25982	Strand	-
Start	1	End	666
Name	OJ990720_10.9C17.C18.o1.tm	Method	TBLASTX:Maize
Start	327	End	665
GI	none	Score	125
Exons	327..527, 327..536, 328..552,	633..665	

Seq. No.	12292	Seq. ID	OJ990720_10.9C17.C19
Gene No.	25983	Strand	-
Start	1237	End	5834
Name	OJ990720_10.9C17.C19.o1.tc	Method	TBLASTX:Cress
Start	1228	End	5553
GI	none	Score	76
Exons	1228..1401, 1232..1402, 1500..1655, 1500..1664, 1501..1659, 1755..1889, 1774..1950, 2033..2230, 2034..2243, 2055..2231, 2321..2746, 2321..2563, 2322..2747, 2323..2748, 2323..2748, 3229..3441, 3236..3391, 3237..3446, 3543..3698, 3545..3703, 5192..5320, 5193..5333, 5416..5553, 5417..5476		

Seq. No.	12292	Seq. ID	OJ990720_10.9C17.C19
Gene No.	25983	Strand	-
Start	1237	End	5834
Name	OJ990720_10.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	1233	End	5574
GI	none	Score	78
Exons	1233..1424, 1237..1401, 1280..1411, 1500..1664, 1501..1659, 1521..1673, 1532..1666, 1755..1889, 1774..1890, 1794..1892, 2025..2243, 2033..2230, 2052..2243, 2321..2746, 2321..2746, 2323..2748, 2323..2748, 3229..3462, 3236..3436, 3237..3446, 3543..3698, 3545..3703, 5192..5320, 5193..5321, 5414..5479, 5416..5574		

Seq. No.	12292	Seq. ID	OJ990720_10.9C17.C19
Gene No.	25983	Strand	-
Start	1237	End	5834
Name	OJ990720_10.9C17.C19.o1.gs	Method	GENSCAN
Start	1237	End	5834
GI	none	Score	.75
Exons	1237..1401, 1503..1658, 1794..1889, 2036..2228, 2321..2745, 3237..3440, 3548..3698, 5193..5320, 5347..5648, 5786..5834		

Seq. No.	12292	Seq. ID	OJ990720_10.9C17.C19
Gene No.	25983	Strand	-
Start	1237	End	5834
Name	OJ990720_10.9C17.C19.o1.ts	Method	TBLASTX:Soybean
Start	1237	End	5553
GI	none	Score	83
Exons	1237..1425, 1243..1407, 1292..1426, 1501..1659, 1512..1673, 1512..1673, 1520..1681, 1755..1889, 1774..1950, 1793..1915, 2025..2243, 2033..2230, 2058..2231, 2295..2492, 2321..2746, 2321..2746, 2323..2748, 2323..2748, 3229..3444, 3237..3446, 3237..3446, 3543..3698, 3545..3703, 3548..3700, 5192..5323, 5193..5321, 5413..5553, 5414..5479		

Seq. No.	12292	Seq. ID	OJ990720_10.9C17.C19
Gene No.	25983	Strand	-
Start	1237	End	5834
Name	OJ990720_10.9C17.C19.o2.tw	Method	TBLASTX:Wheat
Start	1237	End	1619
GI	none	Score	94
Exons	1237..1401, 1243..1395, 1289..1402, 1500..1619, 1501..1611		

Seq. No.	12292	Seq. ID	OJ990720_10.9C17.C19

Gene No.	25983	Strand	-
Start	1237	End	5834
Name	OJ990720_10.9C17.C19.o1.np	Method	AAT/NAP
Start	1240	End	5565
GI	1346735	Score	2229
Exons	1240..1401, 1503..1658, 1794..1889, 2036..2228, 2321..2745, 3237..3440, 3548..3698, 5193..5320, 5413..5565		
GI Descrip.	2,3-BISPHOSPHOGLYCERATE-INDEPENDENT PHOSPHOGLYCERATE MUTASE (PHOSPHOGLYCEROMUTASE) (BPG-INDEPENDENT PGAM) (PGAM-I) gi|1076562|pir||S49647 phosphoglycerate mutase (EC 5.4.2.1) - castor bean gi|474170|emb|CAA49995| (X70652) phosphoglycerate mutase [Ricinus communis]		

Seq. No.	12292	Seq. ID	OJ990720_10.9C17.C19
Gene No.	25983	Strand	-
Start	1237	End	5834
Name	OJ990720_10.9C17.C19.o1.tw	Method	TBLASTX:Wheat
Start	1779	End	2740
GI	none	Score	78
Exons	1779..1859, 1788..1859, 1860..1889, 2025..2243, 2033..2230, 2035..2232, 2052..2243, 2321..2740, 2321..2716, 2323..2739		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25984	Strand	+
Start	304	End	6715
Name	OJ990720_10.9C17.C20.o1.gs	Method	GENSCAN
Start	304	End	6715
GI	none	Score	.9
Exons	304..593, 666..726, 865..966, 1822..1909, 2350..2423, 2545..2843, 3165..3522, 3608..3818, 3879..4150, 4329..4601, 4912..4990, 6243..6544, 6638..6715		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25984	Strand	+
Start	304	End	6715
Name	OJ990720_10.9C17.C20.o2.np	Method	AAT/NAP
Start	1110	End	4610
GI	3786007	Score	1205
Exons	1110..1144, 2611..2843, 3165..3522, 3608..4150, 4332..4610		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25984	Strand	+
Start	304	End	6715
Name	OJ990720_10.9C17.C20.o1.gp	Method	AAT/GAP
Start	4004	End	4601
GI	uC-osflcyp106h11b1	Score	792
Exons	4004..4150, 4329..4601		
GI Descrip.	'3786007 4.0e-38 (AC005499) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25985	Strand	-
Start	1	End	713
Name	OJ990720_10.9C17.C20.o1.np	Method	AAT/NAP
Start	1	End	713
GI	6679833	Score	75

Exons	1..303, 675..713		
GI Descrip.	forkhead box B2 gi|2494501|sp|Q64733|FKH4_MOUSE TRANSCRIPTION FACTOR FKH-4 gi|1280485|emb|CAA63335| (X92591) transcription factor [Mus musculus]		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o3.tm	Method	TBLASTX:Maize
Start	18	End	926
GI	none	Score	62
Exons	18..56, 20..55, 139..156, 303..419, 304..420, 699..731, 861..926, 862..918		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o1.ts	Method	TBLASTX:Soybean
Start	2664	End	3540
GI	none	Score	192
Exons	2664..2837, 2668..2838, 2668..2838, 3169..3405, 3169..3360, 3183..3392, 3221..3394, 3471..3509, 3472..3525, 3475..3540		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o1.tc	Method	TBLASTX:Cress
Start	3175	End	4083
GI	none	Score	163
Exons	3175..3387, 3186..3380, 3451..3522, 3623..3724, 3836..3880, 3932..4003, 4063..4083		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o1.tm	Method	TBLASTX:Maize
Start	3186	End	4445
GI	none	Score	66
Exons	3186..3233, 3187..3231, 3231..3416, 3232..3417, 3235..3417, 3239..3421, 3242..3463, 3412..3516, 3426..3518, 3439..3522, 3605..3883, 3607..4158, 3628..4122, 3935..4153, 4370..4444, 4374..4445		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o2.ts	Method	TBLASTX:Soybean
Start	4338	End	4613
GI	none	Score	196
Exons	4338..4613, 4440..4613		

Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o2.tc	Method	TBLASTX:Cress
Start	4371	End	4598
GI	none	Score	191

Exons	4371..4598		
Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o2.tm	Method	TBLASTX:Maize
Start	4460	End	5155
GI	none	Score	168
Exons	4460..4630, 4468..4641, 4470..4679, 4471..4686, 4473..4685, 4704..4805, 4712..4807, 4713..4805, 4714..4806, 4724..4807, 4800..4856, 4800..4856, 4801..4866, 4834..4872, 4887..4907, 4921..5016, 4926..5057, 4931..5017, 5037..5063, 5038..5070, 5038..5076, 5062..5100, 5064..5087, 5101..5154, 5102..5155		
Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o1.tw	Method	TBLASTX:Wheat
Start	4587	End	4958
GI	none	Score	38
Exons	4587..4637, 4589..4633, 4623..4676, 4657..4686, 4671..4880, 4710..4880, 4717..4887, 4718..4885, 4888..4956, 4890..4958		
Seq. No.	12293	Seq. ID	OJ990720_10.9C17.C20
Gene No.	25986	Strand	-
Start	4809	End	5181
Name	OJ990720_10.9C17.C20.o2.gp	Method	AAT/GAP
Start	4809	End	5181
GI	none	Score	714
Exons	4809..5181		
Seq. No.	12294	Seq. ID	OJ990720_10.9C17.C21
Gene No.	25987	Strand	+
Start	62	End	286
Name	OJ990720_10.9C17.C21.o1.gs	Method	GENSCAN
Start	62	End	286
GI	none	Score	.85
Exons	62..286		
Seq. No.	12294	Seq. ID	OJ990720_10.9C17.C21
Gene No.	25988	Strand	+
Start	404	End	798
Name	OJ990720_10.9C17.C21.o1.gp	Method	AAT/GAP
Start	404	End	798
GI	uC-osflcyp098d01a1	Score	703
Exons	404..798		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	12294	Seq. ID	OJ990720_10.9C17.C21
Gene No.	25989	Strand	-
Start	818	End	5158
Name	OJ990720_10.9C17.C21.o2.gs	Method	GENSCAN
Start	818	End	5158
GI	none	Score	.79
Exons	818..1144, 1448..1517, 1995..2046, 2657..2858, 3476..3654, 4962..5158		

Seq. No.	12294	Seq. ID	OJ990720_10.9C17.C21
Gene No.	25989	Strand	-
Start	818	End	5158
Name	OJ990720_10.9C17.C21.o1.np	Method	AAT/NAP
Start	824	End	3552
GI	4519671	Score	387
Exons	824..1144, 1448..1517, 1995..2049, 2339..2381, 2470..2546, 2657..2870, 3476..3552		
GI Descrip.	(AB017693) transfactor [Nicotiana tabacum]		

Seq. No.	12294	Seq. ID	OJ990720_10.9C17.C21
Gene No.	25989	Strand	-
Start	818	End	5158
Name	OJ990720_10.9C17.C21.o1.ts	Method	TBLASTX:Soybean
Start	1445	End	2732
GI	none	Score	42
Exons	1445..1501, 2319..2387, 2341..2382, 2470..2547, 2471..2545, 2658..2732, 2659..2727		

Seq. No.	12294	Seq. ID	OJ990720_10.9C17.C21
Gene No.	25989	Strand	-
Start	818	End	5158
Name	OJ990720_10.9C17.C21.o2.tm	Method	TBLASTX:Maize
Start	2338	End	2732
GI	none	Score	45
Exons	2338..2382, 2340..2387, 2470..2550, 2474..2548, 2647..2727, 2655..2723, 2655..2732, 2656..2727		

Seq. No.	12294	Seq. ID	OJ990720_10.9C17.C21
Gene No.	25989	Strand	-
Start	818	End	5158
Name	OJ990720_10.9C17.C21.o1.tm	Method	TBLASTX:Maize
Start	3475	End	4013
GI	none	Score	109
Exons	3475..3552, 3476..3574, 3488..3568, 3604..3696, 3693..3809, 3694..3801, 3695..3811, 3695..3808, 3696..3809, 3773..3949, 3817..3951, 3819..3950, 3833..3952, 3934..4005, 3951..4013		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25990	Strand	+
Start	15058	End	26029
Name	OJ990720_10.9C17.C22.o2.gs	Method	GENSCAN
Start	15058	End	26029
GI	none	Score	.65
Exons	15058..15178, 15428..15544, 16322..16627, 16733..16790, 17222..17246, 17894..18380, 18915..19222, 19316..19777, 20670..20805, 21233..21405, 21489..21806, 22425..22496, 22945..23086, 24931..25202, 25394..25471, 25892..26029		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25990	Strand	+
Start	15058	End	26029
Name	OJ990720_10.9C17.C22.o1.gp	Method	AAT/GAP
Start	17787	End	18097
GI	58870_1.R1084	Score	559
Exons	17787..18097		

GI Descrip. '2065531 5.0e-38 (U78526) endo-1,4-beta-glucanase [Lycopersicon esculentum]'

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25990	Strand	+
Start	15058	End	26029
Name	OJ990720_10.9C17.C22.o2.np	Method	AAT/NAP
Start	18005	End	21884
GI	2065531	Score	2463
Exons	18005..18380, 18915..19222, 19316..19777, 20670..20805, 21233..21405, 21489..21884		
GI Descrip.	(U78526) endo-1,4-beta-glucanase [Lycopersicon esculentum]		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25990	Strand	+
Start	15058	End	26029
Name	OJ990720_10.9C17.C22.o2.gp	Method	AAT/GAP
Start	19173	End	19611
GI	4968582	Score	642
Exons	19173..19222, 19316..19611		
GI Descrip.	2065531 5.0e-38 (U78526) endo-1,4-beta-glucanase [Lycopersicon esculentum]		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25991	Strand	+
Start	33509	End	41981
Name	OJ990720_10.9C17.C22.o3.np	Method	AAT/NAP
Start	33509	End	41404
GI	5922623	Score	229
Exons	33509..33593, 33989..34143, 34311..34386, 40307..40374, 41259..41404		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25991	Strand	+
Start	33509	End	41981
Name	OJ990720_10.9C17.C22.o4.gs	Method	GENSCAN
Start	41066	End	41981
GI	none	Score	.77
Exons	41066..41067, 41621..41981		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25992	Strand	-
Start	2348	End	9235
Name	OJ990720_10.9C17.C22.o1.gs	Method	GENSCAN
Start	2348	End	9235
GI	none	Score	.42
Exons	2348..2760, 3507..3903, 3992..4118, 4324..5857, 5879..5917, 6397..6482, 6553..6627, 7129..7203, 7466..7592, 7870..8025, 9109..9235		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25992	Strand	-
Start	2348	End	9235
Name	OJ990720_10.9C17.C22.o1.np	Method	AAT/NAP

Start	3570	End	7043
GI	6729510	Score	629
Exons	3570..3903, 3992..4227, 4303..4711, 4866..5258, 5394..5558, 5926..6117, 6219..6290, 6397..6468, 6553..6627, 6739..6882, 6979..7043		
GI Descrip.	(AL132966) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25993	Strand	-
Start	21329	End	22096
Name	OJ990720_10.9C17.C22.o3.gp	Method	AAT/GAP
Start	21329	End	22096
GI	54367_1.R1084	Score	1182
Exons	21329..21404, 21487..22096		
GI Descrip.	'2065531 5.0e-38 (U78526) endo-1,4-beta-glucanase [Lycopersicon esculentum]'		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25994	Strand	-
Start	26327	End	38326
Name	OJ990720_10.9C17.C22.o3.gs	Method	GENSCAN
Start	26327	End	38326
GI	none	Score	.54
Exons	26327..26620, 26632..26760, 26818..26939, 26992..27064, 27353..27462, 28921..28972, 29572..29676, 30055..30270, 31309..31356, 31660..31846, 31926..32094, 32117..32149, 33193..33276, 33542..33731, 35600..35737, 35974..36056, 36099..36294, 36360..36451, 37167..37335, 38065..38253, 38279..38326		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o8.tm	Method	TBLASTX:Maize
Start	3344	End	3571
GI	none	Score	136
Exons	3344..3481, 3385..3480, 3474..3497, 3478..3570, 3479..3571		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o5.tm	Method	TBLASTX:Maize
Start	3571	End	3853
GI	none	Score	117
Exons	3571..3690, 3614..3706, 3678..3782, 3685..3840, 3685..3852, 3689..3853		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o2.tc	Method	TBLASTX:Cress
Start	3577	End	4627
GI	none	Score	82
Exons	3577..3726, 3796..3903, 3812..3904, 3992..4237, 3996..4136, 4313..4519, 4526..4567, 4583..4627		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o2.ts	Method	TBLASTX:Soybean
Start	3796	End	35692
GI	none	Score	91
Exons	3796..3903, 3806..3904, 3995..4210, 3996..4130, 4320..4520, 4322..4621, 35600..35692		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o3.tm	Method	TBLASTX:Maize
Start	4016	End	35692
GI	none	Score	115
Exons	4016..4228, 4023..4244, 4320..4529, 4322..4663, 4578..4664, 4646..4696, 35600..35692		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o2.tw	Method	TBLASTX:Wheat
Start	4100	End	4520
GI	none	Score	139
Exons	4100..4222, 4100..4219, 4311..4520, 4328..4519		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o3.ts	Method	TBLASTX:Soybean
Start	4917	End	5333
GI	none	Score	203
Exons	4917..5261, 4918..5253, 5274..5333		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o6.ts	Method	TBLASTX:Soybean
Start	5480	End	6116
GI	none	Score	47
Exons	5480..5608, 5697..5774, 5702..5773, 5860..5964, 5893..5952, 6048..6116		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o8.ts	Method	TBLASTX:Soybean
Start	6735	End	7202
GI	none	Score	79
Exons	6735..6899, 6756..6893, 6978..7046, 7149..7202		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o7.tm	Method	TBLASTX:Maize
Start	7304	End	7612
GI	none	Score	74

Exons	7304..7378, 7307..7378, 7311..7385, 7460..7612, 7465..7611		
Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o1.tc	Method	TBLASTX:Cress
Start	17987	End	21886
GI	none	Score	80
Exons	17987..18043, 17998..18042, 18100..18144, 18101..18172, 18155..18232, 18169..18297, 18332..18379, 18914..18976, 18916..18984, 18998..19225, 19003..19224, 19312..19374, 19313..19420, 19419..19670, 19421..19678, 19424..19783, 19426..19773, 19703..19777, 20667..20795, 20678..20803, 20678..20806, 20703..20807, 21229..21408, 21231..21398, 21244..21405, 21482..21736, 21486..21740, 21488..21796, 21508..21816, 21815..21886		
Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o7.ts	Method	TBLASTX:Soybean
Start	17992	End	18396
GI	none	Score	95
Exons	17992..18042, 17993..18043, 18100..18396, 18104..18232, 18332..18379		
Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o1.tm	Method	TBLASTX:Maize
Start	18005	End	19615
GI	none	Score	75
Exons	18005..18043, 18005..18040, 18100..18207, 18101..18181, 18163..18297, 18164..18232, 18332..18379, 18341..18376, 18914..19225, 18916..19215, 18923..19225, 19313..19432, 19313..19438, 19314..19439, 19441..19614, 19472..19615, 19474..19614		
Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o3.tw	Method	TBLASTX:Wheat
Start	18115	End	19168
GI	none	Score	58
Exons	18115..18153, 18116..18154, 18161..18229, 18169..18378, 18332..18379, 18914..19093, 18916..19089, 18917..19114, 19094..19168		
Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o1.ts	Method	TBLASTX:Soybean
Start	18914	End	21885
GI	none	Score	93
Exons	18914..18982, 18916..18975, 18926..18982, 18998..19225, 19003..19203, 19004..19204, 19317..19673, 19340..19783, 19340..19777, 19351..19779, 20666..20782, 20669..20806,		

20703..20807, 21220..21393, 21231..21398, 21232..21408,
21486..21740, 21486..21791, 21488..21796, 21520..21792,
21841..21885, 21870..21884

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o4.tw	Method	TBLASTX:Wheat
Start	19529	End	19762
GI	none	Score	248
Exons	19529..19729, 19533..19739, 19535..19651, 19552..19728, 19682..19762, 19724..19762		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o2.tm	Method	TBLASTX:Maize
Start	19615	End	21886
GI	none	Score	171
Exons	19615..19728, 19616..19729, 19718..19783, 19818..19895, 20666..20794, 20668..20805, 20669..20806, 20703..20807, 21222..21398, 21232..21408, 21258..21410, 21486..21740, 21486..21773, 21490..21780, 21497..21790, 21804..21830, 21805..21885, 21811..21885, 21812..21886		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o1.tw	Method	TBLASTX:Wheat
Start	20699	End	21754
GI	none	Score	121
Exons	20699..20806, 20703..20807, 21222..21398, 21232..21408, 21486..21740, 21497..21754		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o5.gs	Method	GENSCAN
Start	42156	End	45912
GI	none	Score	.86
Exons	42156..42181, 42320..42479, 42721..42920, 43312..43520, 43567..43678, 43769..44035, 44153..44232, 44384..44569, 44684..44860, 44948..45912		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o4.np	Method	AAT/NAP
Start	42203	End	45912
GI	4678924	Score	708
Exons	42203..42239, 43805..44096, 44384..44569, 44684..44970, 45104..45249, 45358..45549, 45704..45912		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973

Name	OJ990720_10.9C17.C22.o4.gp	Method	AAT/GAP
Start	42521	End	43132
GI	none	Score	920
Exons	42521..42920, 43027..43132		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o5.gp	Method	AAT/GAP
Start	43542	End	44227
GI	none	Score	1106
Exons	43542..44035, 44153..44227		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o4.tm	Method	TBLASTX:Maize
Start	44381	End	44793
GI	none	Score	305
Exons	44381..44575, 44383..44571, 44684..44791, 44684..44791, 44686..44793, 44686..44793		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o3.tc	Method	TBLASTX:Cress
Start	44383	End	44808
GI	none	Score	176
Exons	44383..44571, 44390..44575, 44684..44791, 44686..44808		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o4.ts	Method	TBLASTX:Soybean
Start	44387	End	45450
GI	none	Score	243
Exons	44387..44575, 44389..44571, 44477..44575, 44684..44770, 44686..44769, 45142..45231, 45152..45232, 45232..45288, 45233..45289, 45400..45450		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o6.gp	Method	AAT/GAP
Start	45605	End	45973
GI	71600_1.R1084	Score	694
Exons	45605..45973		
GI Descrip.	'4678924/emb|CAB41315.1| 1.0e-21 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o4.tc	Method	TBLASTX:Cress
Start	45731	End	45916
GI	none	Score	140
Exons	45731..45916, 45733..45915		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o5.ts	Method	TBLASTX:Soybean
Start	45731	End	45925
GI	none	Score	160
Exons	45731..45925, 45733..45912		

Seq. No.	12295	Seq. ID	OJ990720_10.9C17.C22
Gene No.	25995	Strand	-
Start	42156	End	45973
Name	OJ990720_10.9C17.C22.o6.tm	Method	TBLASTX:Maize
Start	45733	End	45927
GI	none	Score	266
Exons	45733..45927, 45734..45925		

Seq. No.	12296	Seq. ID	OJ990720_10.9C17.C23
Gene No.	25996	Strand	+
Start	436	End	516
Name	OJ990720_10.9C17.C23.o1.gs	Method	GENSCAN
Start	436	End	516
GI	none	Score	.93
Exons	436..516		

Seq. No.	12296	Seq. ID	OJ990720_10.9C17.C23
Gene No.	25997	Strand	+
Start	2597	End	5811
Name	OJ990720_10.9C17.C23.o1.gp	Method	AAT/GAP
Start	1675	End	1769
GI	5867_1.R1084	Score	133
Exons	1675..1769		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	12296	Seq. ID	OJ990720_10.9C17.C23
Gene No.	25997	Strand	+
Start	2597	End	5811
Name	OJ990720_10.9C17.C23.o2.gs	Method	GENSCAN
Start	2597	End	5811
GI	none	Score	.79
Exons	2597..2727, 3057..3333, 4872..4947, 5669..5811		

Seq. No.	12296	Seq. ID	OJ990720_10.9C17.C23
Gene No.	25998	Strand	-
Start	7030	End	7334
Name	OJ990720_10.9C17.C23.o3.gs	Method	GENSCAN
Start	7030	End	7334
GI	none	Score	.59
Exons	7030..7139, 7165..7189, 7254..7334		

Seq. No.	12297	Seq. ID	OJ990720_10.9C17.C24

Gene No.	25999	Strand	-
Start	120	End	1333
Name	OJ990720_10.9C17.C24.o1.gp	Method	AAT/GAP
Start	120	End	1242
GI	39000_1.R1084	Score	1886
Exons	120..732, 850..1242		
GI Descrip.	'4688621/emb|CAB41489.1| 1.0e-80 (AJ237848) hypothetical protein [Brassica napus]'		

Seq. No.	12297	Seq. ID	OJ990720_10.9C17.C24
Gene No.	25999	Strand	-
Start	120	End	1333
Name	OJ990720_10.9C17.C24.o1.tm	Method	TBLASTX:Maize
Start	286	End	1333
GI	none	Score	48
Exons	286..369, 287..370, 409..441, 435..476, 464..736, 476..736, 481..747, 499..738, 828..1328, 841..1326, 844..1332, 845..1333, 1250..1333		

Seq. No.	12297	Seq. ID	OJ990720_10.9C17.C24
Gene No.	25999	Strand	-
Start	120	End	1333
Name	OJ990720_10.9C17.C24.o1.tw	Method	TBLASTX:Wheat
Start	432	End	919
GI	none	Score	299
Exons	432..725, 436..744, 437..733, 844..918, 845..919		

Seq. No.	12297	Seq. ID	OJ990720_10.9C17.C24
Gene No.	25999	Strand	-
Start	120	End	1333
Name	OJ990720_10.9C17.C24.o1.tc	Method	TBLASTX:Cress
Start	460	End	1329
GI	none	Score	265
Exons	460..747, 461..736, 499..738, 816..986, 844..1029, 848..1042, 1024..1329, 1033..1305, 1034..1324		

Seq. No.	12297	Seq. ID	OJ990720_10.9C17.C24
Gene No.	25999	Strand	-
Start	120	End	1333
Name	OJ990720_10.9C17.C24.o3.ts	Method	TBLASTX:Soybean
Start	463	End	636
GI	none	Score	183
Exons	463..636, 479..631, 481..636		

Seq. No.	12297	Seq. ID	OJ990720_10.9C17.C24
Gene No.	25999	Strand	-
Start	120	End	1333
Name	OJ990720_10.9C17.C24.o1.np	Method	AAT/NAP
Start	481	End	1333
GI	2244990	Score	912
Exons	481..732, 850..1062, 1159..1333		
GI Descrip.	(Z97340) putative protein [Arabidopsis thaliana]		

Seq. No.	12297	Seq. ID	OJ990720_10.9C17.C24
Gene No.	25999	Strand	-
Start	120	End	1333
Name	OJ990720_10.9C17.C24.o2.ts	Method	TBLASTX:Soybean

Start	638	End	1048
GI	none	Score	41
Exons	638..730, 639..728, 664..747, 665..736, 841..1023, 844..1047, 848..1048		

Seq. No.	12297	Seq. ID	OJ990720_10.9C17.C24
Gene No.	25999	Strand	-
Start	120	End	1333
Name	OJ990720_10.9C17.C24.o1.ts	Method	TBLASTX:Soybean
Start	1048	End	1333
GI	none	Score	330
Exons	1048..1332, 1049..1333		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26000	Strand	+
Start	9870	End	12831
Name	OJ990720_10.9C17.C25.o3.gs	Method	GENSCAN
Start	9870	End	12831
GI	none	Score	.59
Exons	9870..9897, 10187..10318, 10688..11136, 12528..12604, 12687..12831		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26000	Strand	+
Start	9870	End	12831
Name	OJ990720_10.9C17.C25.o3.np	Method	AAT/NAP
Start	10711	End	12828
GI	4335768	Score	237
Exons	10711..11112, 12605..12828		
GI Descrip.	(AC006284) putative Golgi-associated membrane trafficking protein [Arabidopsis thaliana]		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26001	Strand	-
Start	339	End	9247
Name	OJ990720_10.9C17.C25.o1.np	Method	AAT/NAP
Start	336	End	4001
GI	5080778	Score	1193
Exons	336..600, 879..1036, 1115..1319, 1411..1700, 2153..2306, 2407..2495, 2630..2670, 3692..4001		
GI Descrip.	(AC007576) Similar to auxin-independent growth promoter protein [Arabidopsis thaliana]		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26001	Strand	-
Start	339	End	9247
Name	OJ990720_10.9C17.C25.o1.gs	Method	GENSCAN
Start	339	End	3966
GI	none	Score	.84
Exons	339..600, 879..1036, 1320..1361, 1671..1700, 2153..2306, 2407..2495, 3733..3966		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26001	Strand	-
Start	339	End	9247
Name	OJ990720_10.9C17.C25.o2.np	Method	AAT/NAP
Start	3013	End	9040

GI	4680199	Score	632
Exons	3013..3051, 4816..4927, 5098..5213, 5292..5852, 6274..6907, 6966..7304, 8992..9040		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26001	Strand	-
Start	339	End	9247
Name	OJ990720_10.9C17.C25.o2.gs	Method	GENSCAN
Start	4509	End	9247
GI	none	Score	.66
Exons	4509..4523, 4780..5046, 5102..5150, 5392..5519, 5871..6095, 6371..6925, 7429..8142, 8174..8222, 9078..9247		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o4.ts	Method	TBLASTX:Soybean
Start	387	End	602
GI	none	Score	99
Exons	387..602, 388..507		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o2.tm	Method	TBLASTX:Maize
Start	549	End	1247
GI	none	Score	146
Exons	549..602, 874..1032, 878..1036, 879..1031, 1101..1247, 1110..1244, 1112..1246		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o3.ts	Method	TBLASTX:Soybean
Start	869	End	1211
GI	none	Score	77
Exons	869..988, 878..1030, 882..1043, 1098..1211, 1109..1210		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o1.tc	Method	TBLASTX:Cress
Start	881	End	1595
GI	none	Score	80
Exons	881..1030, 1113..1262, 1115..1291, 1410..1526, 1524..1595		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o1.ts	Method	TBLASTX:Soybean
Start	1211	End	1703
GI	none	Score	215
Exons	1211..1324, 1407..1703, 1411..1680		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-

Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o1.tm	Method	TBLASTX:Maize
Start	1247	End	2226
GI	none	Score	67
Exons	1247..1324, 1248..1325, 1248..1325, 1396..1695, 1407..1703, 1411..1695, 1413..1703, 1427..1714, 2150..2209, 2150..2224, 2152..2226, 2154..2225		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o2.ts	Method	TBLASTX:Soybean
Start	2150	End	2636
GI	none	Score	68
Exons	2150..2233, 2207..2308, 2208..2309, 2407..2496, 2409..2495, 2412..2531, 2577..2600, 2577..2636, 2590..2634		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o4.tm	Method	TBLASTX:Maize
Start	2228	End	2645
GI	none	Score	100
Exons	2228..2308, 2229..2309, 2407..2496, 2409..2495, 2412..2534, 2577..2645, 2587..2643		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o5.ts	Method	TBLASTX:Soybean
Start	5115	End	5550
GI	none	Score	66
Exons	5115..5213, 5140..5214, 5338..5424, 5340..5546, 5494..5550		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o3.tm	Method	TBLASTX:Maize
Start	5133	End	5579
GI	none	Score	63
Exons	5133..5213, 5140..5223, 5297..5440, 5328..5579, 5329..5433, 5349..5444, 5494..5547		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o1.tw	Method	TBLASTX:Wheat
Start	5286	End	5717
GI	none	Score	81
Exons	5286..5651, 5331..5717		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o1.gp	Method	AAT/GAP
Start	13285	End	13673
GI	25115_1.R1084	Score	764

Exons	13285..13673		
GI Descrip.	'6006801/gb|AAF00612.1|AF156783_1 5.0e-40 (AF156783) apyrase [Arabidopsis thaliana]'		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o4.np	Method	AAT/NAP
Start	13441	End	13673
GI	6006797	Score	112
Exons	13441..13472, 13566..13673		
GI Descrip.	(AF156781) apyrase [Dolichos biflorus]		

Seq. No.	12298	Seq. ID	OJ990720_10.9C17.C25
Gene No.	26002	Strand	-
Start	13561	End	13673
Name	OJ990720_10.9C17.C25.o4.gs	Method	GENSCAN
Start	13561	End	13673
GI	none	Score	.94
Exons	13561..13673		

Seq. No.	12299	Seq. ID	OJ990720_10.9C17.C26
Gene No.	26003	Strand	-
Start	1	End	6127
Name	OJ990720_10.9C17.C26.o1.np	Method	AAT/NAP
Start	1	End	4141
GI	6006801	Score	750
Exons	1..66, 821..920, 1618..1823, 2075..2167, 2321..2377, 2487..2615, 3794..4141		
GI Descrip.	(AF156783) apyrase [Arabidopsis thaliana]		

Seq. No.	12299	Seq. ID	OJ990720_10.9C17.C26
Gene No.	26003	Strand	-
Start	1	End	6127
Name	OJ990720_10.9C17.C26.o1.tm	Method	TBLASTX:Maize
Start	1	End	4040
GI	none	Score	87
Exons	1..99, 2..73, 824..949, 825..950, 1596..1823, 1596..1823, 1618..1824, 1622..1831, 1723..1836, 2072..2167, 2073..2141, 2073..2168, 2318..2377, 2319..2378, 2475..2618, 2494..2628, 3789..3911, 3791..3904, 4005..4040		

Seq. No.	12299	Seq. ID	OJ990720_10.9C17.C26
Gene No.	26003	Strand	-
Start	1	End	6127
Name	OJ990720_10.9C17.C26.o1.gs	Method	GENSCAN
Start	33	End	6121
GI	none	Score	.83
Exons	33..139, 826..920, 1618..1823, 2321..2397, 2513..2615, 3794..4529, 4727..4789, 5048..5235, 5441..5578, 5660..6121		

Seq. No.	12299	Seq. ID	OJ990720_10.9C17.C26
Gene No.	26003	Strand	-
Start	1	End	6127
Name	OJ990720_10.9C17.C26.o1.ts	Method	TBLASTX:Soybean
Start	857	End	3904
GI	none	Score	108

Exons	857..925, 1596..1823, 1602..1817, 1603..1824, 1615..1827, 2072..2167, 2315..2377, 2319..2378, 2475..2609, 2494..2610, 3800..3904, 3801..3902		
Seq. No.	12299	Seq. ID	OJ990720_10.9C17.C26
Gene No.	26003	Strand	-
Start	1	End	6127
Name	OJ990720_10.9C17.C26.o2.np	Method	AAT/NAP
Start	4858	End	6127
GI	3402683	Score	96
Exons	4858..5082, 5254..5413, 5912..6127		
GI Descrip.	(AC004697) similar to latex allergen from Hevea brasiliensis [Arabidopsis thaliana]		
Seq. No.	12300	Seq. ID	OJ990720_10.9C17.C27
Gene No.	26004	Strand	+
Start	3060	End	3592
Name	OJ990720_10.9C17.C27.o2.gs	Method	GENSCAN
Start	3060	End	3592
GI	none	Score	.4
Exons	3060..3067, 3424..3592		
Seq. No.	12300	Seq. ID	OJ990720_10.9C17.C27
Gene No.	26005	Strand	-
Start	1	End	2108
Name	OJ990720_10.9C17.C27.o1.np	Method	AAT/NAP
Start	1	End	2108
GI	1621268	Score	422
Exons	1..331, 453..634, 2051..2108		
GI Descrip.	(Z81012) unknown [Ricinus communis]		
Seq. No.	12300	Seq. ID	OJ990720_10.9C17.C27
Gene No.	26005	Strand	-
Start	1	End	2108
Name	OJ990720_10.9C17.C27.o1.gs	Method	GENSCAN
Start	4	End	1088
GI	none	Score	.44
Exons	4..81, 111..370, 453..573, 612..700, 782..1025, 1059..1088		
Seq. No.	12300	Seq. ID	OJ990720_10.9C17.C27
Gene No.	26005	Strand	-
Start	1	End	2108
Name	OJ990720_10.9C17.C27.o1.tc	Method	TBLASTX:Cress
Start	6	End	630
GI	none	Score	118
Exons	6..176, 16..174, 204..329, 205..327, 430..630, 467..604		
Seq. No.	12300	Seq. ID	OJ990720_10.9C17.C27
Gene No.	26005	Strand	-
Start	1	End	2108
Name	OJ990720_10.9C17.C27.o1.ts	Method	TBLASTX:Soybean
Start	6	End	607
GI	none	Score	122
Exons	6..176, 16..174, 204..329, 205..327, 430..606, 467..607		
Seq. No.	12300	Seq. ID	OJ990720_10.9C17.C27
Gene No.	26005	Strand	-

Start	1	End	2108
Name	OJ990720_10.9C17.C27.o1.tm	Method	TBLASTX:Maize
Start	15	End	630
GI	none	Score	127
Exons	15..176, 22..177, 174..254, 201..329, 205..330, 266..334, 466..630, 467..613		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o1.gp	Method	AAT/GAP
Start	1	End	340
GI	71600_1.R1084	Score	533
Exons	1..340		
GI Descrip.	'4678924/emb|CAB41315.1| 1.0e-21 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o2.tm	Method	TBLASTX:Maize
Start	4	End	220
GI	none	Score	237
Exons	4..189, 13..216, 17..220		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o2.ts	Method	TBLASTX:Soybean
Start	13	End	217
GI	none	Score	257
Exons	13..216, 29..217		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o2.tc	Method	TBLASTX:Cress
Start	25	End	220
GI	none	Score	255
Exons	25..216, 26..220		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o1.gs	Method	GENSCAN
Start	29	End	2861
GI	none	Score	.91
Exons	29..1011, 1097..1276, 1381..1560, 1678..1757, 1959..2219, 2320..2400, 2650..2861		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o1.np	Method	AAT/NAP
Start	29	End	2825
GI	4678924	Score	776
Exons	29..246, 415..579, 679..829, 976..1276, 1381..1645, 1976..2187,		

2341..2428, 2591..2825

GI Descrip. (AL049711) putative protein [Arabidopsis thaliana]

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o1.ts	Method	TBLASTX:Soybean
Start	503	End	2642
GI	none	Score	70
Exons	503..550, 659..709, 719..799, 733..792, 1190..1276, 1191..1274, 1375..1473, 1375..1569, 1379..1561, 1528..1569, 1685..1735, 1687..1767, 2592..2642		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o1.tc	Method	TBLASTX:Cress
Start	1152	End	1612
GI	none	Score	151
Exons	1152..1274, 1169..1276, 1375..1587, 1379..1612		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o1.tm	Method	TBLASTX:Maize
Start	1167	End	1571
GI	none	Score	162
Exons	1167..1274, 1167..1274, 1169..1276, 1169..1276, 1364..1522, 1375..1566, 1379..1567, 1461..1571		

Seq. No.	12301	Seq. ID	OJ990720_10.9C17.C29
Gene No.	26006	Strand	+
Start	1	End	2861
Name	OJ990720_10.9C17.C29.o3.tm	Method	TBLASTX:Maize
Start	1952	End	2820
GI	none	Score	178
Exons	1952..2221, 1954..2013, 1961..2203, 2367..2441, 2622..2756, 2761..2820		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26007	Strand	+
Start	246	End	6577
Name	OJ990720_10.9C17.C32.o1.gs	Method	GENSCAN
Start	246	End	2849
GI	none	Score	.61
Exons	246..350, 407..791, 815..1488, 1506..2849		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26007	Strand	+
Start	246	End	6577
Name	OJ990720_10.9C17.C32.o1.np	Method	AAT/NAP
Start	929	End	6574
GI	6498441	Score	6933
Exons	929..1992, 2323..2786, 2850..3223, 3406..3540, 3715..4141, 4334..4630, 4802..6199, 6293..6574		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type

retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26007	Strand	+
Start	246	End	6577
Name	OJ990720_10.9C17.C32.o2.gs	Method	GENSCAN
Start	2913	End	6577
GI	none	Score	.98
Exons	2913..3223, 3406..6577		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26008	Strand	+
Start	6737	End	7197
Name	OJ990720_10.9C17.C32.o1.gp	Method	AAT/GAP
Start	6737	End	7197
GI	2428323	Score	793
Exons	6737..7197		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o7.tw	Method	TBLASTX:Wheat
Start	1078	End	1334
GI	none	Score	58
Exons	1078..1125, 1132..1230, 1137..1229, 1197..1334, 1213..1332		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o4.tm	Method	TBLASTX:Maize
Start	1083	End	1368
GI	none	Score	197
Exons	1083..1367, 1120..1368		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o4.tw	Method	TBLASTX:Wheat
Start	1335	End	5962
GI	none	Score	378
Exons	1335..1415, 5581..5637, 5582..5962, 5582..5923, 5683..5931		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o3.tw	Method	TBLASTX:Wheat
Start	2207	End	2666
GI	none	Score	407
Exons	2207..2344, 2208..2666, 2402..2662		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o1.tw	Method	TBLASTX:Wheat
Start	2858	End	3316

GI	none	Score	585
Exons	2858..3313, 2859..3314, 2859..3314, 3188..3316		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o3.ts	Method	TBLASTX:Soybean
Start	2898	End	3263
GI	none	Score	116
Exons	2898..3122, 3129..3263		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o2.tm	Method	TBLASTX:Maize
Start	2988	End	3343
GI	none	Score	356
Exons	2988..3317, 3023..3316, 3314..3343		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o1.tm	Method	TBLASTX:Maize
Start	3370	End	3754
GI	none	Score	359
Exons	3370..3735, 3371..3754		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o2.tw	Method	TBLASTX:Wheat
Start	3427	End	3847
GI	none	Score	486
Exons	3427..3840, 3428..3847		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o1.ts	Method	TBLASTX:Soybean
Start	3506	End	3877
GI	none	Score	272
Exons	3506..3877, 3523..3666		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o5.tw	Method	TBLASTX:Wheat
Start	4374	End	4936
GI	none	Score	231
Exons	4374..4394, 4502..4726, 4517..4726, 4567..4752, 4787..4936, 4796..4933, 4798..4935		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o2.ts	Method	TBLASTX:Soybean
Start	4625	End	5191

GI	5666795	Score	68
Exons	4625..4723, 4799..4936, 4991..5191		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o8.tw	Method	TBLASTX:Wheat
Start	4939	End	5251
GI	none	Score	189
Exons	4939..5115, 4991..5251		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o3.tm	Method	TBLASTX:Maize
Start	5444	End	5806
GI	none	Score	347
Exons	5444..5767, 5515..5754, 5759..5806		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o6.tw	Method	TBLASTX:Wheat
Start	5963	End	6565
GI	none	Score	265
Exons	5963..6247, 5963..6379, 6103..6273, 6439..6561, 6440..6565		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o3.gs	Method	GENSCAN
Start	7205	End	10462
GI	none	Score	.8
Exons	7205..7350, 7358..7863, 7885..9105, 9201..10462		

Seq. No.	12302	Seq. ID	OJ990720_10.9C17.C32
Gene No.	26009	Strand	-
Start	7205	End	10462
Name	OJ990720_10.9C17.C32.o2.np	Method	AAT/NAP
Start	7208	End	10462
GI	6907089	Score	4531
Exons	7208..9105, 9201..10462		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12303	Seq. ID	OJ990720_10.9C17.C34
Gene No.	26010	Strand	+
Start	202	End	347
Name	OJ990720_10.9C17.C34.o1.gs	Method	GENSCAN
Start	202	End	347
GI	none	Score	.75
Exons	202..347		

Seq. No.	12304	Seq. ID	OJ990720_10.9C17.C35
Gene No.	26011	Strand	-
Start	1	End	373
Name	OJ990720_10.9C17.C35.o1.np	Method	AAT/NAP

Start	1	End	234
GI	6002794	Score	304
Exons	1..234		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	12304	Seq. ID	OJ990720_10.9C17.C35
Gene No.	26011	Strand	-
Start	1	End	373
Name	OJ990720_10.9C17.C35.o1.gs	Method	GENSCAN
Start	22	End	373
GI	none	Score	.81
Exons	22..156, 202..373		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26012	Strand	+
Start	1264	End	6681
Name	OJ990330_13.9C23.C1.o1.gs	Method	GENSCAN
Start	1264	End	3644
GI	none	Score	.7
Exons	1264..1369, 2202..2252, 3000..3059, 3206..3424, 3445..3644		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26012	Strand	+
Start	1264	End	6681
Name	OJ990330_13.9C23.C1.o1.np	Method	AAT/NAP
Start	2082	End	6558
GI	5091513	Score	1526
Exons	2082..2123, 3383..3538, 4168..4939, 5600..6558		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26012	Strand	+
Start	1264	End	6681
Name	OJ990330_13.9C23.C1.o2.gs	Method	GENSCAN
Start	4504	End	6681
GI	none	Score	.77
Exons	4504..4832, 5619..6681		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o3.gs	Method	GENSCAN
Start	9325	End	15604
GI	none	Score	.43
Exons	9325..9423, 9488..9571, 9655..9771, 9913..10210, 10297..10451, 10546..10685, 11403..11676, 11768..11887, 12400..13514, 14116..14667, 14948..15070, 15219..15604		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o4.tm	Method	TBLASTX:Maize
Start	11515	End	11911
GI	none	Score	116
Exons	11515..11670, 11765..11911		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1

Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o2.np	Method	AAT/NAP
Start	12208	End	16069
GI	4585985	Score	2092
Exons	12208..13091, 13119..13561, 13794..15136, 15219..15589, 16028..16069		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o1.ts	Method	TBLASTX:Soybean
Start	12307	End	12489
GI	none	Score	74
Exons	12307..12489, 12311..12487		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o5.tm	Method	TBLASTX:Maize
Start	12415	End	12735
GI	none	Score	71
Exons	12415..12489, 12508..12735, 12587..12733		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o1.tc	Method	TBLASTX:Cress
Start	12481	End	12738
GI	none	Score	91
Exons	12481..12738, 12530..12730		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o2.tm	Method	TBLASTX:Maize
Start	13042	End	13411
GI	none	Score	202
Exons	13042..13377, 13043..13411		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o3.tm	Method	TBLASTX:Maize
Start	13555	End	14008
GI	none	Score	102
Exons	13555..13677, 13556..13678, 13670..13939, 13803..13835, 13940..14008		

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	15063	End	15582
GI	none	Score	50
Exons	15063..15143, 15078..15140, 15220..15339, 15220..15339,		

15343..15582, 15350..15550

Seq. No.	12305	Seq. ID	OJ990330_13.9C23.C1
Gene No.	26013	Strand	-
Start	9325	End	16069
Name	OJ990330_13.9C23.C1.o1.tw	Method	TBLASTX:Wheat
Start	15223	End	15585
GI	none	Score	147
Exons	15223..15321, 15355..15585, 15356..15571, 15364..15585		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26014	Strand	+
Start	61	End	1134
Name	OJ990330_13.9C23.C2.o1.gs	Method	GENSCAN
Start	61	End	1134
GI	none	Score	.85
Exons	61..307, 1114..1134		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26015	Strand	+
Start	1384	End	1765
Name	OJ990330_13.9C23.C2.o1.gp	Method	AAT/GAP
Start	1384	End	1765
GI	uC-osflcyp033a04b1	Score	667
Exons	1384..1765		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26016	Strand	+
Start	2919	End	7718
Name	OJ990330_13.9C23.C2.o3.np	Method	AAT/NAP
Start	2919	End	7718
GI	6063554	Score	341
Exons	2919..3078, 5194..5383, 5977..6192, 6310..6527, 6873..6904, 7543..7718		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26016	Strand	+
Start	2919	End	7718
Name	OJ990330_13.9C23.C2.o3.gs	Method	GENSCAN
Start	4688	End	6656
GI	none	Score	.57
Exons	4688..4709, 5852..6055, 6290..6541, 6583..6656		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26016	Strand	+
Start	2919	End	7718
Name	OJ990330_13.9C23.C2.o3.gp	Method	AAT/GAP
Start	6517	End	6958
GI	61605_1.R1084	Score	170
Exons	6517..6568, 6877..6958		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26017	Strand	-
Start	1	End	5239
Name	OJ990330_13.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	5239
GI	5852180	Score	489
Exons	1..462, 514..631, 1614..1676, 5214..5239		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26017	Strand	-
Start	1	End	5239
Name	OJ990330_13.9C23.C2.o2.np	Method	AAT/NAP
Start	2470	End	4616
GI	6815072	Score	323
Exons	2470..2779, 2887..3262, 4533..4616		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26017	Strand	-
Start	1	End	5239
Name	OJ990330_13.9C23.C2.o2.gs	Method	GENSCAN
Start	2815	End	3213
GI	none	Score	.64
Exons	2815..3213		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26018	Strand	-
Start	8083	End	8252
Name	OJ990330_13.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	2477	End	3168
GI	none	Score	58
Exons	2477..2647, 2490..2630, 2648..2818, 2652..2816, 2824..3099, 3118..3168		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26018	Strand	-
Start	8083	End	8252
Name	OJ990330_13.9C23.C2.o5.gp	Method	AAT/GAP
Start	8083	End	8252
GI	61605_3.R1084	Score	290
Exons	8083..8252		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12306	Seq. ID	OJ990330_13.9C23.C2
Gene No.	26018	Strand	-
Start	8083	End	8252
Name	OJ990330_13.9C23.C2.o4.gp	Method	AAT/GAP
Start	8087	End	8252
GI	61605_3.R1084	Score	289
Exons	8087..8252		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12307	Seq. ID	OJ990330_13.9C23.C3
Gene No.	26019	Strand	+
Start	2465	End	2661
Name	OJ990330_13.9C23.C3.o1.np	Method	AAT/NAP
Start	2465	End	2661
GI	5852172	Score	54
Exons	2465..2539, 2586..2661		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	12307	Seq. ID	OJ990330_13.9C23.C3
Gene No.	26020	Strand	-
Start	363	End	1990
Name	OJ990330_13.9C23.C3.o1.gs	Method	GENSCAN
Start	363	End	1990
GI	none	Score	.75
Exons	363..502, 870..991, 1131..1226, 1830..1990		

Seq. No.	12307	Seq. ID	OJ990330_13.9C23.C3
Gene No.	26021	Strand	-
Start	3103	End	3576
Name	OJ990330_13.9C23.C3.o2.gs	Method	GENSCAN
Start	3103	End	3576
GI	none	Score	.88
Exons	3103..3302, 3516..3576		

Seq. No.	12307	Seq. ID	OJ990330_13.9C23.C3
Gene No.	26022	Strand	-
Start	5168	End	7378
Name	OJ990330_13.9C23.C3.o2.np	Method	AAT/NAP
Start	5159	End	7378
GI	3319345	Score	381
Exons	5159..5281, 5907..5939, 6522..7378		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	12307	Seq. ID	OJ990330_13.9C23.C3
Gene No.	26022	Strand	-
Start	5168	End	7378
Name	OJ990330_13.9C23.C3.o3.gs	Method	GENSCAN
Start	5168	End	7290
GI	none	Score	.51
Exons	5168..5390, 5903..6084, 6451..6540, 6943..7290		

Seq. No.	12307	Seq. ID	OJ990330_13.9C23.C3
Gene No.	26022	Strand	-
Start	5168	End	7378
Name	OJ990330_13.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	6844	End	7338
GI	none	Score	159
Exons	6844..6972, 7048..7338		

Seq. No.	12307	Seq. ID	OJ990330_13.9C23.C3
Gene No.	26022	Strand	-
Start	5168	End	7378
Name	OJ990330_13.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	7045	End	7365
GI	none	Score	189

Exons	7045..7365		
Seq. No.	12308	Seq. ID	OJ990330_13.9C23.C4
Gene No.	26023	Strand	-
Start	193	End	1135
Name	OJ990330_13.9C23.C4.o1.gs	Method	GENSCAN
Start	193	End	1135
GI	none	Score	65
Exons	193..319, 1066..1135		
Seq. No.	12308	Seq. ID	OJ990330_13.9C23.C4
Gene No.	26023	Strand	-
Start	193	End	1135
Name	OJ990330_13.9C23.C4.o1.np	Method	AAT/NAP
Start	450	End	994
GI	6539585	Score	135
Exons	450..521, 823..994		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	12309	Seq. ID	OJ990330_13.9C23.C5
Gene No.	26024	Strand	+
Start	3540	End	8503
Name	OJ990330_13.9C23.C5.o2.gs	Method	GENSCAN
Start	3540	End	6331
GI	none	Score	51
Exons	3540..3774, 4463..4597, 4836..4970, 5007..5438, 5652..6331		
Seq. No.	12309	Seq. ID	OJ990330_13.9C23.C5
Gene No.	26024	Strand	+
Start	3540	End	8503
Name	OJ990330_13.9C23.C5.o1.np	Method	AAT/NAP
Start	3765	End	8503
GI	5042454	Score	1229
Exons	3765..3906, 4377..4494, 4562..5996, 8484..8503		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	12309	Seq. ID	OJ990330_13.9C23.C5
Gene No.	26025	Strand	-
Start	8561	End	9904
Name	OJ990330_13.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	5290	End	5539
GI	none	Score	184
Exons	5290..5538, 5291..5539		
Seq. No.	12309	Seq. ID	OJ990330_13.9C23.C5
Gene No.	26025	Strand	-
Start	8561	End	9904
Name	OJ990330_13.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	5312	End	5641
GI	none	Score	95
Exons	5312..5401, 5320..5400, 5368..5607, 5369..5641		
Seq. No.	12309	Seq. ID	OJ990330_13.9C23.C5
Gene No.	26025	Strand	-
Start	8561	End	9904
Name	OJ990330_13.9C23.C5.o3.gs	Method	GENSCAN
Start	8561	End	9904

GI	none	Score	.97
Exons	8561..9904		

Seq. No.	12309	Seq. ID	OJ990330_13.9C23.C5
Gene No.	26025	Strand	-
Start	8561	End	9904
Name	OJ990330_13.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	9300	End	9739
GI	none	Score	125
Exons	9300..9461, 9317..9490, 9590..9739		

Seq. No.	12309	Seq. ID	OJ990330_13.9C23.C5
Gene No.	26025	Strand	-
Start	8561	End	9904
Name	OJ990330_13.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	9330	End	9727
GI	none	Score	158
Exons	9330..9470, 9344..9478, 9347..9472, 9348..9476, 9349..9477, 9569..9613, 9588..9617, 9593..9643, 9650..9727		

Seq. No.	12309	Seq. ID	OJ990330_13.9C23.C5
Gene No.	26025	Strand	-
Start	8561	End	9904
Name	OJ990330_13.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	9338	End	9742
GI	none	Score	74
Exons	9338..9460, 9339..9458, 9566..9613, 9620..9742		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26026	Strand	+
Start	3788	End	8135
Name	OJ990330_13.9C23.C6.o2.np	Method	AAT/NAP
Start	3788	End	8135
GI	2586082	Score	4108
Exons	3788..8135		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26027	Strand	-
Start	399	End	1703
Name	OJ990330_13.9C23.C6.o1.gs	Method	GENSCAN
Start	399	End	1703
GI	none	Score	1
Exons	399..1703		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o5.tm	Method	TBLASTX:Maize
Start	280	End	1277
GI	none	Score	136
Exons	280..312, 417..491, 558..635, 720..848, 846..1001, 1081..1266, 1083..1277		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111

Name	OJ990330_13.9C23.C6.o6.tw	Method	TBLASTX:Wheat
Start	1135	End	1539
GI	none	Score	141
Exons	1135..1266, 1149..1283, 1152..1277, 1154..1282, 1374..1418, 1393..1419, 1452..1538, 1453..1539		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o3.tm	Method	TBLASTX:Maize
Start	3886	End	4291
GI	none	Score	70
Exons	3886..3936, 3887..3940, 3986..4132, 3995..4291, 4006..4194		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o5.tw	Method	TBLASTX:Wheat
Start	4094	End	4465
GI	none	Score	219
Exons	4094..4465		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o2.tw	Method	TBLASTX:Wheat
Start	4726	End	5063
GI	none	Score	377
Exons	4726..5043, 4727..5056, 4928..5044, 4929..5063		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o7.tm	Method	TBLASTX:Maize
Start	4784	End	5056
GI	none	Score	222
Exons	4784..5056		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	5553	End	6030
GI	none	Score	299
Exons	5553..5732, 5557..6030		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o4.tm	Method	TBLASTX:Maize
Start	5566	End	5991
GI	none	Score	76
Exons	5566..5655, 5677..5991		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111

Name	OJ990330_13.9C23.C6.o3.ts	Method	TBLASTX:Soybean
Start	5584	End	6000
GI	none	Score	246
Exons	5584..6000		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o4.tw	Method	TBLASTX:Wheat
Start	5677	End	6021
GI	none	Score	249
Exons	5677..6021		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o3.gs	Method	GENSCAN
Start	6397	End	7704
GI	none	Score	.93
Exons	6397..6536, 7534..7704		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o2.ts	Method	TBLASTX:Soybean
Start	6612	End	7115
GI	5509260	Score	390
Exons	6612..7115, 6612..6848, 6734..7003, 6919..7089, 7049..7114		
GI Descrip.	-		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o6.tm	Method	TBLASTX:Maize
Start	6659	End	6911
GI	none	Score	228
Exons	6659..6910, 6660..6911		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o3.tc	Method	TBLASTX:Cress
Start	6725	End	6998
GI	none	Score	285
Exons	6725..6892, 6726..6998, 6932..6997		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o3.tw	Method	TBLASTX:Wheat
Start	6780	End	7292
GI	none	Score	280
Exons	6780..7124, 6797..6904, 6938..7003, 7116..7292		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111

Name	OJ990330_13.9C23.C6.o2.tm	Method	TBLASTX:Maize
Start	6912	End	7313
GI	none	Score	376
Exons	6912..7313, 6935..7225, 7265..7312		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	7293	End	7724
GI	none	Score	45
Exons	7293..7325, 7325..7723, 7329..7724		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o8.tm	Method	TBLASTX:Maize
Start	7419	End	7595
GI	none	Score	216
Exons	7419..7595, 7424..7576		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o2.tc	Method	TBLASTX:Cress
Start	7467	End	8111
GI	none	Score	130
Exons	7467..7670, 7680..7781, 7761..7883, 7790..7918, 7917..8111		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	7488	End	8084
GI	none	Score	482
Exons	7488..8084, 7490..7615, 7682..7978		

Seq. No.	12310	Seq. ID	OJ990330_13.9C23.C6
Gene No.	26028	Strand	-
Start	6397	End	8111
Name	OJ990330_13.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	7595	End	8078
GI	none	Score	37
Exons	7595..7645, 7655..7789, 7656..7784, 7656..7793, 7790..7975, 7791..8078, 7797..8033, 7894..8070		

Seq. No.	12311	Seq. ID	OJ990330_13.9C23.C8
Gene No.	26029	Strand	+
Start	1	End	1209
Name	OJ990330_13.9C23.C8.o1.np	Method	AAT/NAP
Start	1	End	1209
GI	4378066	Score	127
Exons	1..91, 978..1209		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26030	Strand	+
Start	1	End	3388
Name	OJ990330_13.9C23.C9.o1.np	Method	AAT/NAP
Start	1	End	3388
GI	4206306	Score	1315
Exons	1..2072, 3363..3388		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26030	Strand	+
Start	1	End	3388
Name	OJ990330_13.9C23.C9.o1.gs	Method	GENSCAN
Start	47	End	2203
GI	none	Score	.77
Exons	47..575, 632..811, 876..1487, 1529..1774, 1791..2203		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26031	Strand	+
Start	3831	End	5903
Name	OJ990330_13.9C23.C9.o3.gs	Method	GENSCAN
Start	3831	End	5387
GI	none	Score	.64
Exons	3831..3847, 4170..4269, 4312..4596, 4668..5387		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26031	Strand	+
Start	3831	End	5903
Name	OJ990330_13.9C23.C9.o2.np	Method	AAT/NAP
Start	4014	End	5903
GI	6907087	Score	904
Exons	4014..4362, 4571..5262, 5802..5903		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26032	Strand	+
Start	6368	End	6748
Name	OJ990330_13.9C23.C9.o1.gp	Method	AAT/GAP
Start	6368	End	6748
GI	uC-osf1cyp033a04b1	Score	646
Exons	6368..6748		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26033	Strand	+
Start	11854	End	16204
Name	OJ990330_13.9C23.C9.o4.np	Method	AAT/NAP
Start	11854	End	16204
GI	6815052	Score	1743
Exons	11854..12007, 12089..12159, 12440..12561, 12862..12961, 13851..13943, 14728..14866, 14915..15649, 15731..15804, 16085..16204		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26033	Strand	+
Start	11854	End	16204
Name	OJ990330_13.9C23.C9.o6.gs	Method	GENSCAN
Start	11854	End	12565
GI	none	Score	.57
Exons	11854..12007, 12444..12565		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26034	Strand	+
Start	26768	End	28071
Name	OJ990330_13.9C23.C9.o7.np	Method	AAT/NAP
Start	26768	End	28071
GI	6069669	Score	71
Exons	26768..26836, 27901..28071		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26035	Strand	-
Start	2377	End	2691
Name	OJ990330_13.9C23.C9.o2.gs	Method	GENSCAN
Start	2377	End	2691
GI	none	Score	.62
Exons	2377..2691		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26036	Strand	-
Start	5796	End	6526
Name	OJ990330_13.9C23.C9.o4.gs	Method	GENSCAN
Start	5796	End	6408
GI	none	Score	1
Exons	5796..5902, 6348..6408		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26036	Strand	-
Start	5796	End	6526
Name	OJ990330_13.9C23.C9.o3.np	Method	AAT/NAP
Start	6296	End	6526
GI	4680186	Score	235
Exons	6296..6526		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26037	Strand	-
Start	7473	End	10721
Name	OJ990330_13.9C23.C9.o5.gs	Method	GENSCAN
Start	7473	End	10721
GI	none	Score	.48
Exons	7473..8108, 8313..8429, 8478..9115, 9198..9247, 9269..9666, 9786..9997, 10171..10218, 10430..10721		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o3.tm	Method	TBLASTX:Maize
Start	1	End	259
GI	none	Score	308

Exons	1..258, 2..259, 32..259		
Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o1.tw	Method	TBLASTX:Wheat
Start	128	End	547
GI	none	Score	465
Exons	128..547, 130..297, 400..546		
Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o2.tm	Method	TBLASTX:Maize
Start	287	End	667
GI	none	Score	386
Exons	287..667, 400..657		
Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o1.ts	Method	TBLASTX:Soybean
Start	389	End	772
GI	none	Score	259
Exons	389..772, 439..546		
Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o7.tw	Method	TBLASTX:Wheat
Start	548	End	763
GI	none	Score	183
Exons	548..763, 575..745		
Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o6.tw	Method	TBLASTX:Wheat
Start	1214	End	1606
GI	none	Score	184
Exons	1214..1606		
Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o4.tm	Method	TBLASTX:Maize
Start	1229	End	1687
GI	none	Score	278
Exons	1229..1555, 1339..1500, 1619..1687		
Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o5.tw	Method	TBLASTX:Wheat
Start	1613	End	1960
GI	none	Score	105
Exons	1613..1774, 1766..1960		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o6.tm	Method	TBLASTX:Maize
Start	1687	End	1858
GI	none	Score	218
Exons	1687..1857, 1688..1858		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o8.tw	Method	TBLASTX:Wheat
Start	14167	End	14658
GI	none	Score	98
Exons	14167..14346, 14188..14346, 14371..14565, 14371..14445, 14524..14658, 14529..14648		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o4.tw	Method	TBLASTX:Wheat
Start	16347	End	16682
GI	none	Score	185
Exons	16347..16580, 16409..16579, 16584..16682		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o1.tm	Method	TBLASTX:Maize
Start	16425	End	17409
GI	none	Score	560
Exons	16425..17060, 16427..17128, 17092..17388, 17383..17409		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o3.tw	Method	TBLASTX:Wheat
Start	16719	End	17136
GI	none	Score	182
Exons	16719..16910, 16724..16909, 16911..17060, 16928..17056, 17059..17136		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o2.ts	Method	TBLASTX:Soybean
Start	16992	End	17553
GI	none	Score	61
Exons	16992..17048, 17080..17151, 17182..17337, 17335..17553, 17355..17495		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o2.tw	Method	TBLASTX:Wheat
Start	17143	End	17694

GI	none	Score	383
Exons	17143..17595, 17238..17573, 17566..17694		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o5.tm	Method	TBLASTX:Maize
Start	17596	End	18058
GI	none	Score	172
Exons	17596..17895, 17876..17965, 17999..18058		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o6.np	Method	AAT/NAP
Start	25006	End	28071
GI	4539658	Score	152
Exons	25006..25030, 27784..27963, 28004..28071		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	12312	Seq. ID	OJ990330_13.9C23.C9
Gene No.	26038	Strand	-
Start	25006	End	28071
Name	OJ990330_13.9C23.C9.o7.tm	Method	TBLASTX:Maize
Start	27509	End	28068
GI	none	Score	203
Exons	27509..27721, 27510..27740, 27516..27728, 27517..27741, 27518..27742, 28003..28068		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26039	Strand	+
Start	1	End	3973
Name	OJ990330_13.9C23.C11.o1.np	Method	AAT/NAP
Start	1	End	3973
GI	6063554	Score	206
Exons	1..74, 1129..1244, 1743..1916, 2080..2122, 3136..3165, 3800..3973		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26040	Strand	+
Start	4218	End	4567
Name	OJ990330_13.9C23.C11.o1.gp	Method	AAT/GAP
Start	4218	End	4567
GI	61605_3.R1084	Score	372
Exons	4218..4449, 4536..4567		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26041	Strand	+
Start	17387	End	19422
Name	OJ990330_13.9C23.C11.o4.gs	Method	GENSCAN
Start	17387	End	19301

GI	none	Score	.87
Exons	17387..17432, 17789..18702, 18749..18884, 19192..19301		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26041	Strand	+
Start	17387	End	19422
Name	OJ990330_13.9C23.C11.o3.np	Method	AAT/NAP
Start	18755	End	19422
GI	5306250	Score	80
Exons	18755..18985, 19154..19301, 19383..19422		
GI Descrip.	(AC006438) Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26042	Strand	-
Start	314	End	521
Name	OJ990330_13.9C23.C11.o1.gs	Method	GENSCAN
Start	314	End	521
GI	none	Score	.4
Exons	314..521		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26043	Strand	-
Start	1543	End	13820
Name	OJ990330_13.9C23.C11.o2.gs	Method	GENSCAN
Start	1543	End	13820
GI	none	Score	.58
Exons	1543..1992, 2015..2214, 2228..2372, 3705..3788, 4450..5131, 5334..5433, 5928..6121, 10039..10118, 10136..10204, 12253..12396, 12433..12557, 12606..12768, 12837..13121, 13686..13820		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26044	Strand	-
Start	14061	End	16198
Name	OJ990330_13.9C23.C11.o2.np	Method	AAT/NAP
Start	14061	End	16198
GI	6746554	Score	295
Exons	14061..14242, 14994..16198		
GI Descrip.	(AF193765) 10-deacetylbaccatin III-10-O-acetyl transferase [Taxus cuspidata]		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26044	Strand	-
Start	14061	End	16198
Name	OJ990330_13.9C23.C11.o3.gs	Method	GENSCAN
Start	14812	End	16186
GI	none	Score	.81
Exons	14812..15501, 15521..16186		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26044	Strand	-
Start	14061	End	16198
Name	OJ990330_13.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	14983	End	15736
GI	none	Score	121
Exons	14983..15060, 15130..15258, 15262..15429, 15540..15725, 15542..15736		

Seq. No.	12313	Seq. ID	OJ990330_13.9C23.C11
Gene No.	26044	Strand	-
Start	14061	End	16198
Name	OJ990330_13.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	15594	End	16009
GI	none	Score	147
Exons	15594..15725, 15611..15736, 15842..15886, 15843..15890, 15923..16009, 15923..16009		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26045	Strand	+
Start	467	End	4228
Name	OJ990330_13.9C23.C12.o1.gs	Method	GENSCAN
Start	467	End	4228
GI	none	Score	.54
Exons	467..795, 911..1996, 3195..3348, 3488..4228		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26045	Strand	+
Start	467	End	4228
Name	OJ990330_13.9C23.C12.o2.np	Method	AAT/NAP
Start	567	End	4207
GI	4544372	Score	1207
Exons	567..695, 997..2070, 2131..2533, 2639..4207		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o6.ts	Method	TBLASTX:Soybean
Start	413	End	751
GI	none	Score	194
Exons	413..751		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o5.ts	Method	TBLASTX:Soybean
Start	1161	End	1526
GI	none	Score	126
Exons	1161..1385, 1392..1526		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	1323	End	1727
GI	none	Score	72
Exons	1323..1379, 1331..1369, 1374..1727, 1382..1678, 1383..1727		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o2.tm	Method	TBLASTX:Maize
Start	1377	End	1595

GI	none	Score	273
Exons	1377..1595, 1382..1594		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	1596	End	2057
GI	none	Score	545
Exons	1596..2057, 1596..1727, 1745..1849, 1797..1985, 1937..2056		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o4.tw	Method	TBLASTX:Wheat
Start	1728	End	2063
GI	none	Score	196
Exons	1728..2063, 1745..1852		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o2.ts	Method	TBLASTX:Soybean
Start	1743	End	2213
GI	none	Score	216
Exons	1743..2024, 1781..1849, 2025..2213, 2069..2200		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	2364	End	2776
GI	none	Score	151
Exons	2364..2501, 2366..2497, 2522..2776, 2523..2774		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o3.tw	Method	TBLASTX:Wheat
Start	2409	End	2813
GI	none	Score	75
Exons	2409..2498, 2538..2813		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o3.tm	Method	TBLASTX:Maize
Start	3063	End	3395
GI	none	Score	207
Exons	3063..3395		

Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o4.ts	Method	TBLASTX:Soybean
Start	3144	End	3425
GI	none	Score	205

Exons	3144..3425		
Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o2.tw	Method	TBLASTX:Wheat
Start	3785	End	4192
GI	none	Score	211
Exons	3785..4192, 3985..4158		
Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o3.ts	Method	TBLASTX:Soybean
Start	3968	End	4218
GI	none	Score	226
Exons	3968..4213, 3968..4135, 3970..4140, 4177..4218		
Seq. No.	12314	Seq. ID	OJ990330_13.9C23.C12
Gene No.	26046	Strand	+
Start	9568	End	12067
Name	OJ990330_13.9C23.C12.o3.gs	Method	GENSCAN
Start	9568	End	12067
GI	none	Score	.73
Exons	9568..10180, 10442..10725, 11110..12067		
Seq. No.	12315	Seq. ID	OJ990330_13.9C23.C15
Gene No.	26047	Strand	-
Start	1	End	683
Name	OJ990330_13.9C23.C15.o1.np	Method	AAT/NAP
Start	1	End	683
GI	2498930	Score	1151
Exons	1..683		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	12315	Seq. ID	OJ990330_13.9C23.C15
Gene No.	26047	Strand	-
Start	1	End	683
Name	OJ990330_13.9C23.C15.o1.gs	Method	GENSCAN
Start	36	End	677
GI	none	Score	.94
Exons	36..677		
Seq. No.	12316	Seq. ID	OJ990330_13.9C23.C16
Gene No.	26048	Strand	-
Start	184	End	244
Name	OJ990330_13.9C23.C16.o1.np	Method	AAT/NAP
Start	184	End	244
GI	2498930	Score	49
Exons	184..244		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	12316	Seq. ID	OJ990330_13.9C23.C16
Gene No.	26049	Strand	-
Start	184	End	243

Name	OJ990330_13.9C23.C16.o1.gs	Method	GENSCAN
Start	184	End	243
GI	none	Score	.94
Exons	184..243		

Seq. No.	12317	Seq. ID	OJ990720_13.9C01.C1
Gene No.	26050	Strand	+
Start	1	End	310
Name	OJ990720_13.9C01.C1.o1.np	Method	AAT/NAP
Start	1	End	310
GI	5042447	Score	108
Exons	1..38, 195..310		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26051	Strand	+
Start	1	End	1779
Name	OJ990720_13.9C01.C2.o1.np	Method	AAT/NAP
Start	1	End	1779
GI	4680179	Score	2597
Exons	1..1779		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26052	Strand	+
Start	3287	End	3456
Name	OJ990720_13.9C01.C2.o1.gp	Method	AAT/GAP
Start	3287	End	3456
GI	LIB3433-026-P1-K1-C1	Score	265
Exons	3287..3456		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o3.tm	Method	TBLASTX:Maize
Start	1	End	201
GI	none	Score	261
Exons	1..201, 51..116, 162..194		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o4.tw	Method	TBLASTX:Wheat
Start	1	End	201
GI	none	Score	298
Exons	1..201, 4..201		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o2.tw	Method	TBLASTX:Wheat
Start	229	End	768
GI	none	Score	594
Exons	229..768, 393..764		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o1.tc	Method	TBLASTX:Cress
Start	466	End	792
GI	none	Score	93
Exons	466..648, 496..648, 649..792, 651..791		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o1.ts	Method	TBLASTX:Soybean
Start	556	End	816
GI	none	Score	292
Exons	556..816, 559..807, 561..815		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o2.tm	Method	TBLASTX:Maize
Start	615	End	906
GI	none	Score	119
Exons	615..902, 615..902, 616..906		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o1.tw	Method	TBLASTX:Wheat
Start	775	End	1401
GI	none	Score	708
Exons	775..1401, 777..1283, 778..1395, 1341..1400		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	954	End	1539
GI	none	Score	216
Exons	954..1109, 955..1116, 1113..1274, 1114..1539, 1234..1518, 1341..1538		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o3.tw	Method	TBLASTX:Wheat
Start	1401	End	1734
GI	none	Score	302
Exons	1401..1733, 1402..1734		

Seq. No.	12318	Seq. ID	OJ990720_13.9C01.C2
Gene No.	26053	Strand	-
Start	2550	End	2918
Name	OJ990720_13.9C01.C2.o2.gs	Method	GENSCAN
Start	2550	End	2918
GI	none	Score	.98
Exons	2550..2918		

Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26054	Strand	+
Start	364	End	1637
Name	OJ990720_13.9C01.C3.o1.gs	Method	GENSCAN
Start	364	End	1637
GI	none	Score	.82
Exons	364..1053, 1197..1637		

Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26055	Strand	+
Start	5216	End	5597
Name	OJ990720_13.9C01.C3.o1.gp	Method	AAT/GAP
Start	5216	End	5597
GI	uC-osflcyp033a04b1	Score	639
Exons	5216..5597		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o1.np	Method	AAT/NAP
Start	7546	End	11798
GI	4680179	Score	4829
Exons	7546..8628, 8662..11798		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o7.tw	Method	TBLASTX:Wheat
Start	7729	End	7994
GI	none	Score	206
Exons	7729..7788, 7795..7992, 7797..7994		

Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o6.tw	Method	TBLASTX:Wheat
Start	8028	End	8379
GI	none	Score	284
Exons	8028..8222, 8029..8379		

Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o6.tm	Method	TBLASTX:Maize
Start	8029	End	8334
GI	none	Score	229
Exons	8029..8334, 8043..8207		

Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o8.tw	Method	TBLASTX:Wheat
Start	8740	End	9093
GI	none	Score	185

Exons	8740..9093, 8757..8819, 8913..9008		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o4.tw	Method	TBLASTX:Wheat
Start	9225	End	9709
GI	none	Score	52
Exons	9225..9449, 9226..9276, 9331..9453, 9358..9465, 9424..9612, 9446..9709, 9448..9666		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o5.tm	Method	TBLASTX:Maize
Start	9237	End	9528
GI	none	Score	178
Exons	9237..9449, 9238..9453, 9442..9528, 9446..9526		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o3.tm	Method	TBLASTX:Maize
Start	9596	End	10096
GI	none	Score	161
Exons	9596..9775, 9604..9723, 9806..10096, 9922..9975, 9944..10054		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	9650	End	10045
GI	none	Score	57
Exons	9650..9682, 9652..9681, 9686..10045, 9686..10045		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o5.tw	Method	TBLASTX:Wheat
Start	9758	End	10060
GI	none	Score	382
Exons	9758..10060, 9769..10044		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o3.tw	Method	TBLASTX:Wheat
Start	10061	End	10486
GI	none	Score	565
Exons	10061..10486, 10093..10482, 10124..10486		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o2.tm	Method	TBLASTX:Maize
Start	10132	End	10495
GI	none	Score	462

Exons	10132..10482, 10133..10486, 10133..10495		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o2.tw	Method	TBLASTX:Wheat
Start	10495	End	11053
GI	none	Score	610
Exons	10495..11052, 10517..11053		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o2.ts	Method	TBLASTX:Soybean
Start	10865	End	11101
GI	none	Score	261
Exons	10865..11101, 10910..11101		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o4.tm	Method	TBLASTX:Maize
Start	10900	End	11191
GI	none	Score	342
Exons	10900..11187, 10901..11191		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o1.tw	Method	TBLASTX:Wheat
Start	11060	End	11686
GI	none	Score	682
Exons	11060..11686, 11116..11685		
Seq. No.	12319	Seq. ID	OJ990720_13.9C01.C3
Gene No.	26056	Strand	+
Start	7546	End	11798
Name	OJ990720_13.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	11240	End	11797
GI	none	Score	226
Exons	11240..11401, 11243..11395, 11399..11797, 11401..11796		
Seq. No.	12320	Seq. ID	OJ990720_13.9C01.C6
Gene No.	26057	Strand	-
Start	1	End	672
Name	OJ990720_13.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	672
GI	3319360	Score	122
Exons	1..146, 294..672		
GI Descrip.	(AF077408) contains similarity to Vicia faba retrotransposon-like gene (GB:AB007467) [Arabidopsis thaliana]		
Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26058	Strand	-
Start	461	End	4896
Name	OJ990720_13.9C01.C8.o1.np	Method	AAT/NAP
Start	461	End	3386

GI	6691191	Score	2612
Exons	461..1367, 1405..3386		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26058	Strand	-
Start	461	End	4896
Name	OJ990720_13.9C01.C8.o1.gs	Method	GENSCAN
Start	1020	End	1382
GI	none	Score	.93
Exons	1020..1382		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26058	Strand	-
Start	461	End	4896
Name	OJ990720_13.9C01.C8.o2.gs	Method	GENSCAN
Start	1910	End	4896
GI	none	Score	.54
Exons	1910..2608, 3078..3319, 3852..4171, 4466..4541, 4785..4896		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o4.ts	Method	TBLASTX:Soybean
Start	554	End	992
GI	none	Score	70
Exons	554..643, 737..853, 867..974, 876..992		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o2.tw	Method	TBLASTX:Wheat
Start	909	End	1364
GI	none	Score	54
Exons	909..1364, 919..1050, 927..1361		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	1011	End	1365
GI	none	Score	199
Exons	1011..1301, 1012..1299, 1323..1364, 1324..1365		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	1423	End	1805
GI	none	Score	72
Exons	1423..1602, 1424..1573, 1611..1724, 1728..1805		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o5.tw	Method	TBLASTX:Wheat
Start	1519	End	1981

GI	none	Score	64
Exons	1519..1605, 1611..1721, 1707..1790, 1788..1943, 1804..1947, 1941..1979, 1943..1981		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o3.tw	Method	TBLASTX:Wheat
Start	1994	End	2296
GI	none	Score	134
Exons	1994..2296, 2109..2294		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	2006	End	2566
GI	none	Score	257
Exons	2006..2176, 2153..2566		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o3.ts	Method	TBLASTX:Soybean
Start	2087	End	2440
GI	none	Score	106
Exons	2087..2374, 2106..2363, 2153..2374, 2375..2440		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	2298	End	2731
GI	none	Score	92
Exons	2298..2537, 2299..2538, 2300..2731, 2324..2710		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o2.ts	Method	TBLASTX:Soybean
Start	2807	End	3200
GI	none	Score	69
Exons	2807..2929, 2819..2977, 2937..3200, 2938..3177		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o4.tw	Method	TBLASTX:Wheat
Start	2828	End	3200
GI	none	Score	148
Exons	2828..2929, 2931..3200, 2932..3186		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o6.tw	Method	TBLASTX:Wheat
Start	4378	End	4731

GI	none	Score	208
Exons	4378..4731		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o3.np	Method	AAT/NAP
Start	5048	End	8443
GI	5852181	Score	125
Exons	5048..5341, 8413..8443		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o4.np	Method	AAT/NAP
Start	5203	End	6691
GI	5852181	Score	110
Exons	5203..5236, 6475..6691		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	12321	Seq. ID	OJ990720_13.9C01.C8
Gene No.	26059	Strand	-
Start	5048	End	11276
Name	OJ990720_13.9C01.C8.o3.gs	Method	GENSCAN
Start	6360	End	11276
GI	none	Score	.43
Exons	6360..6418, 6475..6605, 9538..9682, 10008..10286, 10318..10429, 10589..10754, 11197..11276		

Seq. No.	12322	Seq. ID	OJ990720_13.9C01.C9
Gene No.	26060	Strand	+
Start	125	End	2007
Name	OJ990720_13.9C01.C9.o1.gs	Method	GENSCAN
Start	125	End	2007
GI	none	Score	.58
Exons	125..295, 1689..1857, 1874..2007		

Seq. No.	12322	Seq. ID	OJ990720_13.9C01.C9
Gene No.	26061	Strand	-
Start	1	End	328
Name	OJ990720_13.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	328
GI	5922623	Score	72
Exons	1..28, 218..328		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12322	Seq. ID	OJ990720_13.9C01.C9
Gene No.	26062	Strand	-
Start	333	End	2018
Name	OJ990720_13.9C01.C9.o2.np	Method	AAT/NAP
Start	333	End	2018
GI	5852179	Score	77
Exons	333..370, 1806..2018		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	12323	Seq. ID	OJ990720_13.9C01.C10
Gene No.	26063	Strand	+
Start	1	End	712
Name	OJ990720_13.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	712
GI	6063554	Score	102
Exons	1..55, 538..712		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12323	Seq. ID	OJ990720_13.9C01.C10
Gene No.	26064	Strand	-
Start	1	End	97
Name	OJ990720_13.9C01.C10.o1.gp	Method	AAT/GAP
Start	1	End	97
GI	101153_1.R1084	Score	162
Exons	1..97		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12324	Seq. ID	OJ990720_13.9C01.C11
Gene No.	26065	Strand	-
Start	300	End	919
Name	OJ990720_13.9C01.C11.o1.gs	Method	GENSCAN
Start	300	End	919
GI	none	Score	.52
Exons	300..381, 796..919		

Seq. No.	12325	Seq. ID	OJ990720_13.9C01.C12
Gene No.	26066	Strand	+
Start	3536	End	3640
Name	OJ990720_13.9C01.C12.o2.np	Method	AAT/NAP
Start	3536	End	3640
GI	6721512	Score	75
Exons	3536..3640		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12325	Seq. ID	OJ990720_13.9C01.C12
Gene No.	26067	Strand	+
Start	4329	End	6799
Name	OJ990720_13.9C01.C12.o3.np	Method	AAT/NAP
Start	4329	End	6799
GI	6721512	Score	73
Exons	4329..4356, 6248..6353, 6609..6799		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12325	Seq. ID	OJ990720_13.9C01.C12
Gene No.	26067	Strand	+
Start	4329	End	6799
Name	OJ990720_13.9C01.C12.o1.gp	Method	AAT/GAP
Start	5562	End	5653
GI	uC-osflcyp022c06b2	Score	148
Exons	5562..5653		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	12325	Seq. ID	OJ990720_13.9C01.C12
Gene No.	26068	Strand	-
Start	655	End	2604
Name	OJ990720_13.9C01.C12.o1.np	Method	AAT/NAP
Start	655	End	2604
GI	4680186	Score	210
Exons	655..829, 2585..2604		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26069	Strand	+
Start	1088	End	4500
Name	OJ990720_13.9C01.C13.o1.np	Method	AAT/NAP
Start	1088	End	4500
GI	5852181	Score	62
Exons	1088..1152, 4372..4500		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26070	Strand	+
Start	4657	End	6667
Name	OJ990720_13.9C01.C13.o2.np	Method	AAT/NAP
Start	4657	End	6667
GI	1666236	Score	255
Exons	4657..5285, 6644..6667		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26071	Strand	+
Start	6583	End	9369
Name	OJ990720_13.9C01.C13.o3.np	Method	AAT/NAP
Start	6583	End	9369
GI	4325357	Score	358
Exons	6583..7245, 8044..8637, 9276..9369		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26072	Strand	+
Start	15526	End	19667
Name	OJ990720_13.9C01.C13.o4.np	Method	AAT/NAP
Start	15526	End	19667
GI	4544372	Score	495
Exons	15526..15567, 18942..19667		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26072	Strand	+
Start	15526	End	19667
Name	OJ990720_13.9C01.C13.o2.gs	Method	GENSCAN
Start	18924	End	19565
GI	none	Score	.95
Exons	18924..19565		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26073	Strand	-
Start	5723	End	7267
Name	OJ990720_13.9C01.C13.o2.tw	Method	TBLASTX:Wheat
Start	4849	End	7240
GI	none	Score	219
Exons	4849..5181, 6812..6928, 6944..7159, 7133..7240		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26073	Strand	-
Start	5723	End	7267
Name	OJ990720_13.9C01.C13.o1.gp	Method	AAT/GAP
Start	5723	End	6276
GI	4879016	Score	803
Exons	5723..6276		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26073	Strand	-
Start	5723	End	7267
Name	OJ990720_13.9C01.C13.o1.tc	Method	TBLASTX:Cress
Start	6959	End	7267
GI	none	Score	200
Exons	6959..7267		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26074	Strand	
Start	8038	End	8400
Name	OJ990720_13.9C01.C13.o3.tw	Method	TBLASTX:Wheat
Start	8038	End	8400
GI	none	Score	114
Exons	8038..8199, 8215..8400		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26075	Strand	
Start	13928	End	14171
Name	OJ990720_13.9C01.C13.o3.tm	Method	TBLASTX:Maize
Start	13928	End	14098
GI	none	Score	270
Exons	13928..14083, 13929..14093, 14021..14098		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26075	Strand	
Start	13928	End	14171
Name	OJ990720_13.9C01.C13.o2.ts	Method	TBLASTX:Soybean
Start	13976	End	14171
GI	none	Score	189
Exons	13976..14083, 13977..14171		

Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26076	Strand	
Start	18975	End	19666
Name	OJ990720_13.9C01.C13.o1.tw	Method	TBLASTX:Wheat
Start	18975	End	19380
GI	none	Score	86

Exons	18975..19031, 18975..19010, 18980..19021, 19026..19379, 19034..19336, 19035..19376, 19036..19380		
Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26076	Strand	
Start	18975	End	19666
Name	OJ990720_13.9C01.C13.o2.tm	Method	TBLASTX:Maize
Start	19029	End	19247
GI	none	Score	295
Exons	19029..19247, 19034..19246		
Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26076	Strand	
Start	18975	End	19666
Name	OJ990720_13.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	19248	End	19666
GI	none	Score	390
Exons	19248..19592, 19248..19511, 19250..19591, 19598..19666, 19600..19665		
Seq. No.	12326	Seq. ID	OJ990720_13.9C01.C13
Gene No.	26076	Strand	
Start	18975	End	19666
Name	OJ990720_13.9C01.C13.o1.ts	Method	TBLASTX:Soybean
Start	19322	End	19553
GI	none	Score	207
Exons	19322..19552, 19323..19553		
Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o1.gs	Method	GENSCAN
Start	959	End	18218
GI	none	Score	.42
Exons	959..1043, 2332..2541, 4317..4400, 4532..5791, 6781..7473, 7592..7914, 8582..8788, 8916..9118, 9892..10063, 10138..10319, 14844..14917, 15083..15163, 16493..16522, 16696..16910, 17106..17220, 17253..18218		
Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o1.np	Method	AAT/NAP
Start	4568	End	8941
GI	6705984	Score	431
Exons	4568..5049, 8884..8941		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	4588	End	5039
GI	none	Score	272
Exons	4588..4851, 4606..4845, 4855..5034, 4864..5016, 4875..5039		
Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14

Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	4627	End	5046
GI	none	Score	164
Exons	4627..4896, 4684..4896, 4888..5046, 4905..5036		

Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	4813	End	5073
GI	none	Score	189
Exons	4813..5073, 4813..5067		

Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o2.np	Method	AAT/NAP
Start	5192	End	6592
GI	6498436	Score	455
Exons	5192..5392, 5441..5947, 6043..6144, 6393..6592		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o1.gp	Method	AAT/GAP
Start	9829	End	12903
GI	none	Score	891
Exons	9829..10063, 11095..11160, 12385..12638, 12870..12903		

Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o3.np	Method	AAT/NAP
Start	17081	End	18253
GI	4544372	Score	478
Exons	17081..18253		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o2.tw	Method	TBLASTX:Wheat
Start	17849	End	18250
GI	none	Score	234
Exons	17849..18250, 17857..17940, 18049..18222		

Seq. No.	12327	Seq. ID	OJ990720_13.9C01.C14
Gene No.	26077	Strand	+
Start	959	End	18253
Name	OJ990720_13.9C01.C14.o2.ts	Method	TBLASTX:Soybean
Start	18032	End	18253
GI	none	Score	210
Exons	18032..18253, 18032..18172, 18034..18204		

Seq. No.	12328	Seq. ID	OJ990720_13.9C01.C15
Gene No.	26078	Strand	-
Start	122	End	3968
Name	OJ990720_13.9C01.C15.o1.np	Method	AAT/NAP
Start	122	End	3968
GI	6815052	Score	1493
Exons	122..203, 285..981, 1030..1173, 1962..2054, 2884..2983, 3277..3401, 3670..3741, 3823..3968		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	12328	Seq. ID	OJ990720_13.9C01.C15
Gene No.	26079	Strand	-
Start	4069	End	4407
Name	OJ990720_13.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	1243	End	1737
GI	none	Score	83
Exons	1243..1533, 1253..1534, 1558..1716, 1558..1737		

Seq. No.	12328	Seq. ID	OJ990720_13.9C01.C15
Gene No.	26079	Strand	-
Start	4069	End	4407
Name	OJ990720_13.9C01.C15.o2.gs	Method	GENSCAN
Start	4069	End	4407
GI	none	Score	.98
Exons	4069..4407		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26080	Strand	+
Start	4498	End	8673
Name	OJ990720_13.9C01.C16.o3.gs	Method	GENSCAN
Start	4498	End	8511
GI	none	Score	.59
Exons	4498..4755, 4843..5046, 5133..5225, 5301..5399, 5479..5584, 8408..8511		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26080	Strand	+
Start	4498	End	8673
Name	OJ990720_13.9C01.C16.o2.np	Method	AAT/NAP
Start	6941	End	8673
GI	5042463	Score	112
Exons	6941..7132, 7787..7928, 7981..8080, 8642..8673		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26081	Strand	+
Start	10566	End	21898
Name	OJ990720_13.9C01.C16.o4.gs	Method	GENSCAN
Start	10566	End	15593
GI	none	Score	.44
Exons	10566..10932, 10955..11076, 11957..12085, 12464..12596, 13020..13512, 13628..13773, 14266..14713, 15026..15278, 15342..15593		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26081	Strand	+

Start	10566	End	21898
Name	OJ990720_13.9C01.C16.o3.np	Method	AAT/NAP
Start	10641	End	16925
GI	4544372	Score	1180
Exons	10641..10686, 13584..14777, 14844..15248, 15354..16925		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26081	Strand	+
Start	10566	End	21898
Name	OJ990720_13.9C01.C16.o4.np	Method	AAT/NAP
Start	16693	End	21898
GI	5852180	Score	610
Exons	16693..16795, 20268..20335, 21320..21436, 21487..21898		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26082	Strand	-
Start	109	End	3219
Name	OJ990720_13.9C01.C16.o1.gs	Method	GENSCAN
Start	109	End	1447
GI	none	Score	.61
Exons	109..162, 263..667, 1328..1447		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26082	Strand	-
Start	109	End	3219
Name	OJ990720_13.9C01.C16.o1.np	Method	AAT/NAP
Start	1318	End	2665
GI	6815052	Score	226
Exons	1318..1348, 2386..2439, 2512..2665		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26082	Strand	-
Start	109	End	3219
Name	OJ990720_13.9C01.C16.o2.gs	Method	GENSCAN
Start	2317	End	3219
GI	none	Score	.84
Exons	2317..2471, 2512..2676, 2951..3090, 3158..3219		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26083	Strand	-
Start	17382	End	20566
Name	OJ990720_13.9C01.C16.o6.gs	Method	GENSCAN
Start	17382	End	20462
GI	none	Score	.87
Exons	17382..18065, 18144..18254, 18325..18399, 18460..18900, 18979..19188, 20397..20462		

Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26083	Strand	-
Start	17382	End	20566
Name	OJ990720_13.9C01.C16.o1.gp	Method	AAT/GAP
Start	20184	End	20566
GI	uC-osflcyp033a04b1	Score	704

Exons	20184..20566		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o1.tw	Method	TBLASTX:Wheat
Start	14040	End	14444
GI	none	Score	53
Exons	14040..14096, 14091..14444, 14098..14208, 14103..14444		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o2.tm	Method	TBLASTX:Maize
Start	14094	End	14312
GI	none	Score	273
Exons	14094..14312, 14094..14294, 14114..14311		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o1.tm	Method	TBLASTX:Maize
Start	14313	End	14774
GI	none	Score	525
Exons	14313..14774, 14313..14618, 14315..14773		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o3.tw	Method	TBLASTX:Wheat
Start	14445	End	14765
GI	none	Score	215
Exons	14445..14765, 14462..14725		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o2.ts	Method	TBLASTX:Soybean
Start	14460	End	14917
GI	none	Score	219
Exons	14460..14741, 14498..14635, 14742..14900, 14786..14917		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o1.ts	Method	TBLASTX:Soybean
Start	15081	End	15493
GI	none	Score	144
Exons	15081..15218, 15083..15214, 15239..15493, 15240..15491		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o4.tw	Method	TBLASTX:Wheat
Start	15126	End	15524

GI	none	Score	76
Exons	15126..15215, 15255..15524		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o4.ts	Method	TBLASTX:Soybean
Start	15861	End	16142
GI	none	Score	225
Exons	15861..16142, 16049..16141		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o3.tm	Method	TBLASTX:Maize
Start	15942	End	16322
GI	none	Score	72
Exons	15942..16100, 16098..16322		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o2.tw	Method	TBLASTX:Wheat
Start	16503	End	16910
GI	none	Score	217
Exons	16503..16910, 16643..16876		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o3.ts	Method	TBLASTX:Soybean
Start	16686	End	16931
GI	none	Score	234
Exons	16686..16931, 16697..16825, 16698..16853, 16898..16927		
Seq. No.	12329	Seq. ID	OJ990720_13.9C01.C16
Gene No.	26084	Strand	-
Start	20999	End	21842
Name	OJ990720_13.9C01.C16.o7.gs	Method	GENSCAN
Start	20999	End	21842
GI	none	Score	.84
Exons	20999..21084, 21411..21558, 21642..21842		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o1.gs	Method	GENSCAN
Start	199	End	7776
GI	none	Score	.66
Exons	199..968, 1026..1138, 2273..2382, 3002..3644, 4080..5408, 5544..5808, 6285..7776		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o8.tm	Method	TBLASTX:Maize
Start	3008	End	3247

GI	none	Score	123
Exons	3008..3046, 3059..3247, 3071..3211, 3085..3243		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o1.np	Method	AAT/NAP
Start	3101	End	7767
GI	6705984	Score	6214
Exons	3101..7767		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o4.tm	Method	TBLASTX:Maize
Start	3249	End	3523
GI	none	Score	253
Exons	3249..3521, 3250..3489, 3251..3523		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o2.tw	Method	TBLASTX:Wheat
Start	3284	End	3688
GI	none	Score	463
Exons	3284..3688, 3300..3686, 3301..3687		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o9.tm	Method	TBLASTX:Maize
Start	3527	End	3826
GI	none	Score	219
Exons	3527..3826		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o5.tw	Method	TBLASTX:Wheat
Start	3719	End	4078
GI	none	Score	314
Exons	3719..4078, 3729..4073, 3985..4074		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o6.ts	Method	TBLASTX:Soybean
Start	3755	End	4024
GI	none	Score	83
Exons	3755..3937, 3950..4024		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	3827	End	4172

GI	none	Score	326
Exons	3827..4156, 3828..4172		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o1.tc	Method	TBLASTX:Cress
Start	3890	End	4255
GI	none	Score	287
Exons	3890..4255, 3891..4253		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o1.tw	Method	TBLASTX:Wheat
Start	4204	End	4631
GI	none	Score	507
Exons	4204..4281, 4205..4630, 4206..4631		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o10.tm	Method	TBLASTX:Maize
Start	4251	End	4426
GI	none	Score	107
Exons	4251..4424, 4256..4426, 4262..4426		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o5.ts	Method	TBLASTX:Soybean
Start	4347	End	4546
GI	none	Score	74
Exons	4347..4436, 4352..4438, 4434..4532, 4442..4546		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o1.ts	Method	TBLASTX:Soybean
Start	4551	End	4808
GI	none	Score	209
Exons	4551..4808, 4551..4739, 4553..4807		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o2.tm	Method	TBLASTX:Maize
Start	4568	End	5071
GI	none	Score	157
Exons	4568..5071, 4650..5030		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o7.tw	Method	TBLASTX:Wheat
Start	4718	End	5119
GI	none	Score	117

Exons	4718..5119, 4719..5072		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o2.ts	Method	TBLASTX:Soybean
Start	4832	End	5191
GI	none	Score	126
Exons	4832..5191, 4845..5072		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o3.tm	Method	TBLASTX:Maize
Start	5114	End	5581
GI	none	Score	160
Exons	5114..5581, 5145..5525		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o6.tw	Method	TBLASTX:Wheat
Start	5168	End	5650
GI	none	Score	193
Exons	5168..5650, 5202..5555		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o7.tm	Method	TBLASTX:Maize
Start	5606	End	5857
GI	none	Score	190
Exons	5606..5749, 5607..5747, 5762..5857		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o5.tm	Method	TBLASTX:Maize
Start	5929	End	6174
GI	none	Score	119
Exons	5929..6174, 5932..6168, 5963..6172		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o3.ts	Method	TBLASTX:Soybean
Start	5932	End	6174
GI	none	Score	113
Exons	5932..6168, 5932..6174, 5978..6172		
Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o4.tw	Method	TBLASTX:Wheat
Start	5932	End	6414
GI	none	Score	130
Exons	5932..6126, 5960..6121, 5970..6140, 6139..6414, 6140..6394,		

6145..6402

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o3.tw	Method	TBLASTX:Wheat
Start	6764	End	7341
GI	none	Score	276
Exons	6764..7129, 6772..7134, 6772..7128, 6986..7129, 7133..7324, 7135..7341, 7135..7341		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o4.ts	Method	TBLASTX:Soybean
Start	6898	End	7294
GI	none	Score	58
Exons	6898..7119, 6911..7099, 7159..7293, 7160..7294		

Seq. No.	12330	Seq. ID	OJ990720_13.9C01.C17
Gene No.	26085	Strand	-
Start	199	End	7776
Name	OJ990720_13.9C01.C17.o6.tm	Method	TBLASTX:Maize
Start	7102	End	7339
GI	none	Score	210
Exons	7102..7338, 7103..7327, 7141..7338, 7220..7339		

Seq. No.	12331	Seq. ID	OJ990720_13.9C01.C18
Gene No.	26086	Strand	-
Start	1	End	777
Name	OJ990720_13.9C01.C18.o1.np	Method	AAT/NAP
Start	1	End	578
GI	4206306	Score	190
Exons	1..578		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	12331	Seq. ID	OJ990720_13.9C01.C18
Gene No.	26086	Strand	-
Start	1	End	777
Name	OJ990720_13.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	372	End	777
GI	none	Score	89
Exons	372..587, 415..570, 586..777, 588..776		

Seq. No.	12332	Seq. ID	OJ990720_13.9C01.C19
Gene No.	26087	Strand	+
Start	75	End	674
Name	OJ990720_13.9C01.C19.o1.gs	Method	GENSCAN
Start	75	End	674
GI	none	Score	.84
Exons	75..179, 384..489, 561..674		

Seq. No.	12332	Seq. ID	OJ990720_13.9C01.C19
Gene No.	26087	Strand	+
Start	75	End	674
Name	OJ990720_13.9C01.C19.o1.gp	Method	AAT/GAP
Start	130	End	564

GI	uC-osflcyp033a04b1	Score	446
Exons	130..391, 532..564		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12332	Seq. ID	OJ990720_13.9C01.C19
Gene No.	26088	Strand	-
Start	63	End	263
Name	OJ990720_13.9C01.C19.o1.np	Method	AAT/NAP
Start	63	End	263
GI	4680186	Score	316
Exons	63..263		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12333	Seq. ID	OJ990720_13.9C01.C20
Gene No.	26089	Strand	+
Start	1	End	820
Name	OJ990720_13.9C01.C20.o1.np	Method	AAT/NAP
Start	1	End	548
GI	5295955	Score	253
Exons	1..548		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	12333	Seq. ID	OJ990720_13.9C01.C20
Gene No.	26089	Strand	+
Start	1	End	820
Name	OJ990720_13.9C01.C20.o1.gs	Method	GENSCAN
Start	248	End	820
GI	none	Score	.47
Exons	248..373, 707..820		

Seq. No.	12334	Seq. ID	OJ990630_14.9C03.C2
Gene No.	26090	Strand	+
Start	1	End	918
Name	OJ990630_14.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	918
GI	6907088	Score	196
Exons	1..164, 487..918		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12334	Seq. ID	OJ990630_14.9C03.C2
Gene No.	26091	Strand	+
Start	4398	End	4478
Name	OJ990630_14.9C03.C2.o1.gp	Method	AAT/GAP
Start	4398	End	4478
GI	LIB3434-017-P1-K1-F5	Score	91
Exons	4398..4478		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	12334	Seq. ID	OJ990630_14.9C03.C2
Gene No.	26092	Strand	-
Start	15453	End	16105
Name	OJ990630_14.9C03.C2.o3.gs	Method	GENSCAN
Start	15453	End	16105
GI	none	Score	.61

Exons	15453..15581, 15884..16105		
Seq. No.	12334	Seq. ID	OJ990630_14.9C03.C2
Gene No.	26093	Strand	-
Start	17119	End	21016
Name	OJ990630_14.9C03.C2.o4.gs	Method	GENSCAN
Start	17119	End	21016
GI	none	Score	.85
Exons	17119..17211, 17450..17561, 18170..18221, 18783..18975, 19544..19691, 20907..21016		
Seq. No.	12334	Seq. ID	OJ990630_14.9C03.C2
Gene No.	26093	Strand	-
Start	17119	End	21016
Name	OJ990630_14.9C03.C2.o3.np	Method	AAT/NAP
Start	17393	End	19396
GI	99922	Score	263
Exons	17393..17474, 18847..19396		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		
Seq. No.	12334	Seq. ID	OJ990630_14.9C03.C2
Gene No.	26094	Strand	-
Start	21505	End	22727
Name	OJ990630_14.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	10912	End	12043
GI	none	Score	169
Exons	10912..11061, 10919..11083, 10920..11093, 10920..11084, 11103..11177, 11104..11178, 11112..11180, 11181..11261, 11188..11238, 11233..11283, 11279..11398, 11292..11372, 11297..11374, 11377..11505, 11387..11503, 11513..11581, 11519..11581, 11523..11585, 11524..11583, 11763..11864, 11862..11906, 11946..12041, 11947..12042, 11948..12043		
Seq. No.	12334	Seq. ID	OJ990630_14.9C03.C2
Gene No.	26094	Strand	-
Start	21505	End	22727
Name	OJ990630_14.9C03.C2.o5.gs	Method	GENSCAN
Start	21505	End	22727
GI	none	Score	.92
Exons	21505..21775, 21825..21958, 21990..22077, 22702..22727		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26095	Strand	+
Start	5211	End	5861
Name	OJ990630_14.9C03.C3.o1.np	Method	AAT/NAP
Start	5211	End	5861
GI	3746060	Score	673
Exons	5211..5861		
GI Descrip.	(AC005311) unknown protein [Arabidopsis thaliana]		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26096	Strand	+
Start	9425	End	16831
Name	OJ990630_14.9C03.C3.o2.gs	Method	GENSCAN
Start	9425	End	16831
GI	none	Score	.67

Exons	9425..9430, 10517..10595, 12044..12143, 16693..16831		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26097	Strand	+
Start	18110	End	18604
Name	OJ990630_14.9C03.C3.o1.gp	Method	AAT/GAP
Start	18110	End	18604
GI	none	Score	910
Exons	18110..18604		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26098	Strand	+
Start	21088	End	21656
Name	OJ990630_14.9C03.C3.o4.gs	Method	GENSCAN
Start	21088	End	21656
GI	none	Score	.75
Exons	21088..21089, 21191..21656		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26099	Strand	+
Start	45134	End	45675
Name	OJ990630_14.9C03.C3.o7.gp	Method	AAT/GAP
Start	45134	End	45675
GI	none	Score	988
Exons	45134..45675		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26100	Strand	-
Start	18238	End	20657
Name	OJ990630_14.9C03.C3.o3.gs	Method	GENSCAN
Start	18238	End	20657
GI	none	Score	1
Exons	18238..18747, 19120..19406, 20459..20657		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26100	Strand	-
Start	18238	End	20657
Name	OJ990630_14.9C03.C3.o2.np	Method	AAT/NAP
Start	18242	End	20642
GI	5679845	Score	424
Exons	18242..18637, 18702..18747, 19088..19462, 20440..20642		
GI Descrip.	(AJ243961) 11332.9 [Oryza sativa]		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	5356	End	5749
GI	none	Score	485
Exons	5356..5508, 5363..5749		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o4.tm	Method	TBLASTX:Maize
Start	5356	End	5617
GI	none	Score	333

Exons	5356..5514, 5363..5617, 5487..5564		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	5359	End	5755
GI	none	Score	505
Exons	5359..5517, 5363..5755		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	19126	End	19383
GI	none	Score	78
Exons	19126..19230, 19154..19234, 19276..19383, 19286..19381		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o3.tc	Method	TBLASTX:Cress
Start	19132	End	20636
GI	none	Score	93
Exons	19132..19236, 19142..19237, 19264..19401, 19286..19387, 20460..20498, 20556..20636		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o3.ts	Method	TBLASTX:Soybean
Start	19141	End	20645
GI	none	Score	102
Exons	19141..19245, 19142..19237, 19264..19401, 19271..19387, 20457..20504, 20460..20498, 20556..20645, 20563..20628		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o6.tm	Method	TBLASTX:Maize
Start	19141	End	20636
GI	none	Score	93
Exons	19141..19266, 19154..19255, 19253..19402, 19270..19401, 19298..19402, 20460..20504, 20556..20630, 20556..20636		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o3.np	Method	AAT/NAP
Start	31232	End	34163
GI	2459428	Score	121
Exons	31232..31278, 33767..33867, 34102..34163		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		
Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448

Name	OJ990630_14.9C03.C3.o7.gs	Method	GENSCAN
Start	33330	End	47336
GI	none	Score	.73
Exons	33330..33874, 34106..34190, 35833..35916, 36018..36263, 36472..36569, 36693..36836, 37680..37832, 37977..38099, 38240..38439, 38513..38616, 39147..39242, 39620..39825, 40961..41051, 41130..41481, 41607..41926, 42109..42440, 42572..42908, 43148..43220, 43892..44094, 44372..44443, 45030..45154, 45536..45845, 45971..46059, 46143..46203, 46288..46361, 46487..46613, 46708..46792, 46901..46964, 47044..47105, 47266..47336		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o4.np	Method	AAT/NAP
Start	35815	End	39710
GI	4490706	Score	979
Exons	35815..35916, 36018..36263, 36472..36582, 36667..36881, 37713..37832, 37977..38099, 38240..38439, 38513..38616, 39147..39242, 39620..39710		
GI Descrip.	(AL035680) putative protein [Arabidopsis thaliana]		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o7.tm	Method	TBLASTX:Maize
Start	35827	End	38279
GI	none	Score	69
Exons	35827..35919, 36036..36167, 36467..36571, 36468..36569, 36469..36570, 36664..36798, 37730..37834, 37732..37833, 37753..37854, 37809..37847, 37975..38103, 37976..38104, 38238..38279		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o5.ts	Method	TBLASTX:Soybean
Start	36694	End	38391
GI	none	Score	67
Exons	36694..36798, 36695..36799, 37730..37834, 37732..37833, 37975..38103, 37975..38103, 37976..38104, 38238..38279, 38325..38390, 38326..38391		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o4.gp	Method	AAT/GAP
Start	38554	End	39901
GI	uC-osflM202046e10b1	Score	826
Exons	38554..38616, 39147..39242, 39620..39901		
GI Descrip.	'4490706/emb|CAB38840.1| 1.0e-19 (AL035680) putative protein [Arabidopsis thaliana]'		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448

Name	OJ990630_14.9C03.C3.o5.np	Method	AAT/NAP
Start	39211	End	44603
GI	995714	Score	348
Exons	39211..39242, 42105..42432, 42605..42937, 43139..43220, 43497..43598, 43769..44046, 44147..44236, 44372..44443, 44526..44603		
GI Descrip.	(X91258) L3177 [Saccharomyces cerevisiae]		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o5.gp	Method	AAT/GAP
Start	40572	End	41293
GI	none	Score	1220
Exons	40572..41051, 41130..41293		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	41642	End	41920
GI	none	Score	270
Exons	41642..41920, 41643..41912, 41648..41920		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o5.tm	Method	TBLASTX:Maize
Start	42287	End	43210
GI	none	Score	165
Exons	42287..42442, 42288..42416, 42289..42447, 42289..42450, 42588..42668, 42590..42676, 42590..42676, 42694..42933, 42696..42944, 43147..43206, 43148..43210, 43148..43210		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o6.gp	Method	AAT/GAP
Start	42384	End	43187
GI	none	Score	778
Exons	42384..42440, 42572..42908, 43148..43187		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	43812	End	44401
GI	none	Score	170
Exons	43812..44054, 43840..44055, 43841..44056, 44153..44236, 44155..44232, 44157..44237, 44158..44238, 44183..44236, 44369..44401		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o4.tc	Method	TBLASTX:Cress
Start	43858	End	44582

GI	none	Score	201
Exons	43858..44049, 43859..44032, 43861..44055, 44154..44237, 44183..44236, 44366..44446, 44369..44446, 44526..44582		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o4.ts	Method	TBLASTX:Soybean
Start	43894	End	44588
GI	none	Score	152
Exons	43894..44055, 43895..44035, 44143..44235, 44154..44237, 44183..44236, 44369..44434, 44378..44413, 44526..44588, 44526..44582		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o6.np	Method	AAT/NAP
Start	45537	End	47448
GI	4204297	Score	693
Exons	45537..45837, 45978..46192, 46304..46361, 46487..46613, 46708..46792, 46901..46964, 47044..47105, 47266..47448		
GI Descrip.	(AC003027) ADK1 [Arabidopsis thaliana]		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	45579	End	47340
GI	none	Score	92
Exons	45579..45659, 45589..45660, 45668..45844, 45680..45844, 45709..45846, 45929..45967, 45992..46063, 45992..46060, 46141..46209, 46142..46198, 46288..46371, 46289..46363, 46485..46613, 46486..46614, 46489..46614, 46690..46794, 46706..46795, 46706..46795, 46897..46977, 46901..46966, 47045..47107, 47046..47111, 47049..47111, 47263..47340, 47265..47339, 47266..47340		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o8.gp	Method	AAT/GAP
Start	45747	End	47340
GI	16983_1.R1084	Score	1260
Exons	45747..45845, 45971..46059, 46143..46203, 46288..46361, 46487..46613, 46708..46792, 46901..46964, 47044..47105, 47266..47340		
GI Descrip.	'1197461/emb|CAA55396| 1.0e-127 (X78819) casein kinase I [Arabidopsis thaliana]'		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	46301	End	47339
GI	none	Score	76
Exons	46301..46363, 46303..46371, 46306..46380, 46485..46613,		

46486..46614, 46489..46614, 46667..46789, 46690..46794,
46706..46807, 46897..46965, 46901..46969, 47033..47101,
47045..47107, 47049..47108, 47263..47337, 47265..47339

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	46306	End	47339
GI	none	Score	121
Exons	46306..46371, 46485..46613, 46486..46614, 46492..46623, 46494..46616, 46514..46624, 46690..46794, 46706..46795, 46892..46969, 46892..46960, 46897..46965, 46914..46973, 47033..47101, 47045..47107, 47049..47111, 47049..47111, 47263..47337, 47265..47339		

Seq. No.	12335	Seq. ID	OJ990630_14.9C03.C3
Gene No.	26101	Strand	-
Start	31232	End	47448
Name	OJ990630_14.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	46509	End	47074
GI	none	Score	88
Exons	46509..46610, 46510..46596, 46525..46614, 46702..46794, 46709..46795, 46727..46795, 46892..46969, 46897..46965, 47045..47074		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26102	Strand	-
Start	1	End	1219
Name	OJ990630_14.9C03.C4.o1.gp	Method	AAT/GAP
Start	1	End	546
GI	16983_1.R1084	Score	359
Exons	1..25, 191..288, 425..546		
GI Descrip.	'1197461/emb|CAA55396| 1.0e-127 (X78819) casein kinase I [Arabidopsis thaliana]'		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26102	Strand	-
Start	1	End	1219
Name	OJ990630_14.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	1219
GI	1076386	Score	549
Exons	1..29, 183..288, 425..573, 686..755, 994..1034, 1144..1219		
GI Descrip.	protein kinase ADK1 - Arabidopsis thaliana gi|1216484 (U48779) dual specificity kinase 1 [Arabidopsis thaliana]		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26102	Strand	-
Start	1	End	1219
Name	OJ990630_14.9C03.C4.o1.gs	Method	GENSCAN
Start	193	End	1219
GI	none	Score	.9
Exons	193..288, 425..573, 686..755, 994..1034, 1144..1219		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26103	Strand	-
Start	1265	End	1699

Name	OJ990630_14.9C03.C4.o2.gp	Method	AAT/GAP
Start	1265	End	1699
GI	none	Score	803
Exons	1265..1699		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26104	Strand	-
Start	2929	End	8684
Name	OJ990630_14.9C03.C4.o2.gs	Method	GENSCAN
Start	2929	End	8622
GI	none	Score	.56
Exons	2929..3104, 3583..3641, 4200..4357, 4382..4577, 5988..6133, 6211..6297, 6647..6783, 7114..7165, 7591..7751, 8469..8622		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26104	Strand	-
Start	2929	End	8684
Name	OJ990630_14.9C03.C4.o3.gp	Method	AAT/GAP
Start	5616	End	6144
GI	66029_1.R1084	Score	959
Exons	5616..6144		
GI Descrip.	'4204313 1.0e-30 (AC003027) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26104	Strand	-
Start	2929	End	8684
Name	OJ990630_14.9C03.C4.o2.np	Method	AAT/NAP
Start	5849	End	8623
GI	4427003	Score	910
Exons	5849..5909, 5937..6133, 6211..6297, 6647..6783, 7114..7165, 7591..7751, 8469..8623		
GI Descrip.	(AF127664) NBD-like protein [Arabidopsis thaliana]		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26104	Strand	-
Start	2929	End	8684
Name	OJ990630_14.9C03.C4.o4.gp	Method	AAT/GAP
Start	7575	End	8684
GI	61906_1.R1084	Score	687
Exons	7575..7751, 8469..8684		
GI Descrip.	'4427003/gb|AAD20643| 5.0e-24 (AF127664) NBD-like protein [Arabidopsis thaliana]'		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26105	Strand	-
Start	8768	End	14328
Name	OJ990630_14.9C03.C4.o3.np	Method	AAT/NAP
Start	8768	End	14313
GI	2244790	Score	1394
Exons	8768..8883, 10246..10521, 10647..10854, 11038..12087, 12184..12294, 12726..12833, 12934..13089, 13634..13742, 13809..14313		
GI Descrip.	(Z97336) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26105	Strand	-

Start	8768	End	14328
Name	OJ990630_14.9C03.C4.o3.gs	Method	GENSCAN
Start	10220	End	14328
GI	none	Score	.86
Exons	10220..10600, 10651..12087, 12184..12294, 12726..12833, 12934..13089, 13648..14328		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o2.tc	Method	TBLASTX:Cress
Start	180	End	1225
GI	none	Score	90
Exons	180..281, 184..288, 190..288, 191..289, 422..571, 432..572, 463..576, 675..770, 683..721, 684..764, 986..1027, 994..1053, 1142..1225, 1143..1181		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	190	End	1219
GI	none	Score	101
Exons	190..288, 191..289, 417..572, 422..589, 422..571, 684..764, 685..765, 986..1036, 994..1053, 1145..1219, 1150..1218		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	211	End	1214
GI	none	Score	90
Exons	211..288, 215..289, 417..572, 422..571, 425..589, 472..612, 472..588, 671..733, 677..760, 684..764, 685..765, 831..881, 977..1036, 994..1053, 1144..1206, 1145..1207, 1146..1214		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	5841	End	7172
GI	none	Score	153
Exons	5841..5945, 5846..5932, 5912..6154, 5924..6136, 5931..6140, 5934..6155, 5950..6150, 6211..6300, 6214..6312, 6219..6305, 6641..6763, 6643..6762, 6646..6774, 7112..7171, 7113..7172		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	5846	End	8583
GI	none	Score	140
Exons	5846..5908, 5924..6154, 5940..6140, 6211..6300, 6214..6312, 6641..6784, 6645..6722, 6665..6784, 7115..7171, 7487..7753, 7579..7755, 8467..8583, 8468..8578		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4

Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	5846	End	8586
GI	none	Score	164
Exons	5846..5914, 5932..6135, 5939..6154, 5940..6140, 6210..6299, 6211..6300, 6214..6312, 6621..6734, 6641..6784, 6644..6784, 6645..6794, 6646..6786, 7115..7171, 7116..7172, 7565..7753, 7579..7755, 8467..8547, 8468..8548, 8539..8586		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o6.tm	Method	TBLASTX:Maize
Start	7600	End	8719
GI	none	Score	177
Exons	7600..7626, 7630..7755, 7632..7754, 8467..8586, 8468..8578, 8530..8586, 8590..8607, 8669..8719		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o7.tm	Method	TBLASTX:Maize
Start	10280	End	10813
GI	none	Score	75
Exons	10280..10360, 10281..10373, 10349..10513, 10431..10544, 10630..10746, 10649..10771, 10650..10766, 10664..10813		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	10780	End	11235
GI	none	Score	50
Exons	10780..10806, 10829..10903, 10833..10877, 10907..11026, 10908..11027, 10909..11058, 10910..11038, 11002..11049, 11038..11124, 11050..11130, 11051..11131, 11051..11140, 11128..11232, 11129..11230, 11140..11235		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	11519	End	12007
GI	none	Score	82
Exons	11519..11593, 11533..11595, 11538..11612, 11589..11615, 11589..11732, 11593..11739, 11687..11722, 11728..12006, 11740..12000, 11873..12007		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o3.ts	Method	TBLASTX:Soybean
Start	11926	End	12274
GI	none	Score	147
Exons	11926..12102, 11964..12107, 11966..12100, 12183..12266, 12183..12266, 12184..12273, 12188..12274		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o5.tm	Method	TBLASTX:Maize
Start	12789	End	13746
GI	none	Score	54
Exons	12789..12830, 12789..12824, 12790..12834, 12926..13090, 12931..13092, 12931..13092, 13640..13708, 13648..13743, 13648..13746		

Seq. No.	12336	Seq. ID	OJ990630_14.9C03.C4
Gene No.	26106	Strand	-
Start	17996	End	18063
Name	OJ990630_14.9C03.C4.o5.gp	Method	AAT/GAP
Start	17996	End	18063
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	17996..18063		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	12337	Seq. ID	OJ990630_12.9C03.C1
Gene No.	26107	Strand	-
Start	1	End	580
Name	OJ990630_12.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	580
GI	2126090	Score	1008
Exons	1..580		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	12337	Seq. ID	OJ990630_12.9C03.C1
Gene No.	26108	Strand	
Start	540	End	660
Name	OJ990630_12.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	540	End	660
GI	none	Score	183
Exons	540..659, 541..660, 542..658		

Seq. No.	12338	Seq. ID	OJ990630_12.9C03.C5
Gene No.	26109	Strand	+
Start	1127	End	1266
Name	OJ990630_12.9C03.C5.o1.gs	Method	GENSCAN
Start	1127	End	1266
GI	none	Score	.93
Exons	1127..1266		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26110	Strand	+
Start	211	End	642
Name	OJ990630_12.9C03.C6.o1.gs	Method	GENSCAN
Start	211	End	642

GI	none	Score	.74
Exons	211..642		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26111	Strand	+
Start	5758	End	6063
Name	OJ990630_12.9C03.C6.o3.gs	Method	GENSCAN
Start	5758	End	6063
GI	none	Score	.95
Exons	5758..6063		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26112	Strand	+
Start	8265	End	8787
Name	OJ990630_12.9C03.C6.o5.gs	Method	GENSCAN
Start	8265	End	8787
GI	none	Score	.84
Exons	8265..8336, 8629..8787		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26113	Strand	+
Start	10793	End	13027
Name	OJ990630_12.9C03.C6.o1.gp	Method	AAT/GAP
Start	10696	End	12096
GI	5988_1.R1084	Score	1745
Exons	10696..10955, 11445..12096		
GI Descrip.	'2493318/sp|Q41001|BCP_PEA 3.0e-17 BLUE COPPER PROTEIN PRECURSOR >gi_562779_emb_CAA80963_ (Z25471) blue copper protein [Pisum sativum] >gi_1098264_prf__2115352A blue Cu protein [Pisum sativum]'		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26113	Strand	+
Start	10793	End	13027
Name	OJ990630_12.9C03.C6.o1.np	Method	AAT/NAP
Start	10787	End	13027
GI	2493318	Score	276
Exons	10787..10955, 11445..11793, 12980..13027		
GI Descrip.	BLUE COPPER PROTEIN PRECURSOR gi|562779|emb|CAA80963| (Z25471) blue copper protein [Pisum sativum] gi|1098264|prf||2115352A blue Cu protein [Pisum sativum]		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26113	Strand	+
Start	10793	End	13027
Name	OJ990630_12.9C03.C6.o7.gs	Method	GENSCAN
Start	10793	End	11826
GI	none	Score	.87
Exons	10793..10955, 11080..11140, 11445..11826		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26114	Strand	+
Start	16633	End	21157
Name	OJ990630_12.9C03.C6.o2.gp	Method	AAT/GAP
Start	16515	End	17452
GI	15328_1.R1084	Score	1490
Exons	16515..16807, 16952..17452		

GI Descrip. '3747044 9.0e-22 (AF093537) blue copper protein [Zea mays]'

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26114	Strand	+
Start	16633	End	21157
Name	OJ990630_12.9C03.C6.o9.gs	Method	GENSCAN
Start	16633	End	21157
GI	none	Score	.58
Exons	16633..16807, 16952..17239, 17986..18128, 18158..18366, 19293..19333, 19752..19862, 20529..21157		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26114	Strand	+
Start	16633	End	21157
Name	OJ990630_12.9C03.C6.o3.gp	Method	AAT/GAP
Start	19224	End	19655
GI	287130	Score	551
Exons	19224..19333, 19416..19655		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26115	Strand	+
Start	26425	End	26861
Name	OJ990630_12.9C03.C6.o6.gp	Method	AAT/GAP
Start	26425	End	26861
GI	none	Score	854
Exons	26425..26861		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26116	Strand	-
Start	2413	End	4312
Name	OJ990630_12.9C03.C6.o2.gs	Method	GENSCAN
Start	2413	End	4312
GI	none	Score	.5
Exons	2413..2530, 2650..2808, 3164..3298, 3880..4093, 4105..4312		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26117	Strand	-
Start	6276	End	6522
Name	OJ990630_12.9C03.C6.o4.gs	Method	GENSCAN
Start	6276	End	6522
GI	none	Score	.63
Exons	6276..6475, 6477..6522		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26118	Strand	-
Start	9639	End	9893
Name	OJ990630_12.9C03.C6.o6.gs	Method	GENSCAN
Start	9639	End	9893
GI	none	Score	.57
Exons	9639..9893		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26119	Strand	-
Start	13663	End	16294
Name	OJ990630_12.9C03.C6.o8.gs	Method	GENSCAN
Start	13663	End	16294
GI	none	Score	.7

Exons	13663..14212, 14974..15026, 16072..16224, 16247..16294		
Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26120	Strand	-
Start	22407	End	22952
Name	OJ990630_12.9C03.C6.o4.gp	Method	AAT/GAP
Start	22407	End	22952
GI	none	Score	962
Exons	22407..22952		
Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o4.tm	Method	TBLASTX:Maize
Start	4	End	653
GI	none	Score	126
Exons	4..90, 21..95, 21..89, 307..480, 437..493, 445..492, 594..653, 595..639		
Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o11.gs	Method	GENSCAN
Start	23272	End	41347
GI	none	Score	.75
Exons	23272..23390, 26456..26548, 26764..26907, 27143..27260, 27624..27794, 28017..28148, 28348..28476, 28814..28904, 28971..29074, 31175..31363, 32372..32453, 32693..32898, 32976..33063, 33180..33298, 33369..33756, 33838..34002, 35105..35124, 35240..35496, 35935..36066, 37830..38022, 38131..38427, 38794..38923, 39262..39587, 39951..40172, 40264..40659, 41277..41347		
Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o7.gp	Method	AAT/GAP
Start	27110	End	27802
GI	LIB3431-028-P1-K1-G1	Score	696
Exons	27110..27260, 27342..27401, 27624..27802		
GI Descrip.	'6006894/gb|AAF00669.1|AC008153_21 2.0e-39 (AC008153) unknown protein [Arabidopsis thaliana]'		
Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o2.np	Method	AAT/NAP
Start	27147	End	35891
GI	6006894	Score	1508
Exons	27147..27260, 27342..27401, 27624..27794, 28017..28148, 28348..28476, 28808..28888, 31058..31363, 32612..32763, 32976..33048, 33180..33298, 33369..33759, 33838..34002, 34580..34671, 35240..35610, 35849..35891		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		
Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-

Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o6.ts	Method	TBLASTX:Soybean
Start	27151	End	28449
GI	none	Score	104
Exons	27151..27261, 27159..27260, 27339..27401, 27346..27402, 27618..27791, 27619..27792, 27622..27792, 28333..28449		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o7.ts	Method	TBLASTX:Soybean
Start	31175	End	31370
GI	none	Score	108
Exons	31175..31333, 31179..31370		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o8.gp	Method	AAT/GAP
Start	31282	End	33206
GI	32487_1.R1084	Score	890
Exons	31282..31363, 32372..32453, 32559..32603, 32693..32898, 32976..33048, 33180..33206		
GI Descrip.	'6006894/gb|AAF00669.1|AC008153_21 6.0e-23 (AC008153) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o4.tc	Method	TBLASTX:Cress
Start	32670	End	33050
GI	none	Score	78
Exons	32670..32801, 32671..32808, 32688..32780, 32693..32791, 32863..32901, 32973..33050		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	32973	End	33419
GI	none	Score	114
Exons	32973..33050, 32974..33051, 32974..33051, 33177..33299, 33178..33300, 33179..33292, 33348..33419, 33354..33419		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o5.ts	Method	TBLASTX:Soybean
Start	32973	End	33531
GI	none	Score	78
Exons	32973..33050, 32974..33051, 33177..33299, 33179..33292, 33196..33300, 33243..33299, 33348..33467, 33350..33475, 33354..33467, 33355..33471, 33490..33531, 33498..33530		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347

Name	OJ990630_12.9C03.C6.o5.tc	Method	TBLASTX:Cress
Start	34585	End	35486
GI	none	Score	140
Exons	34585..34689, 35249..35485, 35256..35486		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o3.np	Method	AAT/NAP
Start	37792	End	40626
GI	2462925	Score	1645
Exons	37792..38022, 38131..38427, 38794..38923, 39262..39587, 39951..40172, 40264..40626		
GI Descrip.	(AJ000053) GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phoshate synthase [Arabidopsis thaliana]		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o4.ts	Method	TBLASTX:Soybean
Start	37804	End	38026
GI	none	Score	167
Exons	37804..38025, 37805..38026		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	37825	End	39401
GI	none	Score	148
Exons	37825..38025, 37829..38026, 38128..38433, 38132..38428, 38785..38931, 38795..38947, 39258..39353, 39262..39357, 39348..39401, 39349..39396		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	37843	End	39456
GI	none	Score	203
Exons	37843..38025, 37844..38026, 38126..38419, 38127..38342, 38128..38433, 38132..38428, 38785..38931, 38798..38941, 39257..39355, 39258..39455, 39259..39456, 39262..39456		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	38127	End	38433
GI	none	Score	399
Exons	38127..38384, 38128..38433, 38132..38428		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o2.ts	Method	TBLASTX:Soybean

Start	39252	End	39573
GI	none	Score	90
Exons	39252..39353, 39256..39357, 39306..39359, 39348..39497, 39348..39572, 39349..39573, 39358..39573		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	39268	End	39588
GI	none	Score	72
Exons	39268..39384, 39270..39353, 39348..39500, 39348..39587, 39349..39588, 39358..39588		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o3.tc	Method	TBLASTX:Cress
Start	39405	End	39588
GI	none	Score	84
Exons	39405..39497, 39405..39587, 39406..39588, 39415..39588		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	39457	End	40344
GI	none	Score	144
Exons	39457..39588, 39459..39587, 39472..39597, 39949..40119, 39951..40169, 39951..40169, 40249..40344, 40264..40344		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o2.tc	Method	TBLASTX:Cress
Start	39943	End	40399
GI	none	Score	114
Exons	39943..40119, 39945..40169, 39961..40170, 39969..40175, 40249..40362, 40262..40312, 40349..40399		

Seq. No.	12339	Seq. ID	OJ990630_12.9C03.C6
Gene No.	26121	Strand	-
Start	23272	End	41347
Name	OJ990630_12.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	39949	End	40362
GI	none	Score	179
Exons	39949..40161, 39951..40175, 39951..40169, 40249..40356, 40261..40362		

Seq. No.	12340	Seq. ID	OJ990630_12.9C03.C7
Gene No.	26122	Strand	+
Start	98	End	4057
Name	OJ990630_12.9C03.C7.o1.np	Method	AAT/NAP
Start	98	End	4057
GI	2499535	Score	125
Exons	98..219, 471..653, 3883..4057		
GI Descrip.	2-OXOGLUTARATE/MALATE TRANSLOCATOR PRECURSOR gi|595681 (U13238)		

2-oxoglutarate/malate translocator [Spinacia oleracea]

Seq. No.	12340	Seq. ID	OJ990630_12.9C03.C7
Gene No.	26123	Strand	-
Start	137	End	3657
Name	OJ990630_12.9C03.C7.o1.gs	Method	GENSCAN
Start	137	End	3657
GI	none	Score	.44
Exons	137..296, 342..488, 581..689, 1456..1567, 1720..1785, 3119..3211, 3296..3339, 3612..3657		

Seq. No.	12340	Seq. ID	OJ990630_12.9C03.C7
Gene No.	26124	Strand	
Start	3912	End	4057
Name	OJ990630_12.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	3912	End	4055
GI	none	Score	193
Exons	3912..4055, 3914..4054		

Seq. No.	12340	Seq. ID	OJ990630_12.9C03.C7
Gene No.	26124	Strand	
Start	3912	End	4057
Name	OJ990630_12.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	3914	End	4057
GI	none	Score	222
Exons	3914..4057, 3915..4055		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26125	Strand	+
Start	56	End	3727
Name	OJ990630_12.9C03.C8.o1.gs	Method	GENSCAN
Start	56	End	3727
GI	none	Score	.79
Exons	56..116, 1147..1460, 2794..3242, 3612..3727		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26125	Strand	+
Start	56	End	3727
Name	OJ990630_12.9C03.C8.o1.np	Method	AAT/NAP
Start	2897	End	3724
GI	4104457	Score	679
Exons	2897..3242, 3612..3724		
GI Descrip.	(AF036172) 2-oxoglutarate/malate translocator [Zea mays]		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26126	Strand	+
Start	5839	End	6357
Name	OJ990630_12.9C03.C8.o3.gs	Method	GENSCAN
Start	5839	End	6357
GI	none	Score	.4
Exons	5839..6357		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26127	Strand	+
Start	7490	End	7772
Name	OJ990630_12.9C03.C8.o4.gs	Method	GENSCAN
Start	7490	End	7772

GI	none	Score	.48
Exons	7490..7600, 7734..7772		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26128	Strand	+
Start	18939	End	19348
Name	OJ990630_12.9C03.C8.o1.gp	Method	AAT/GAP
Start	18939	End	19348
GI	702836	Score	779
Exons	18939..19348		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563
Name	OJ990630_12.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	8	End	1455
GI	none	Score	95
Exons	8..112, 9..116, 1151..1279, 1152..1454, 1164..1454, 1168..1455		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563
Name	OJ990630_12.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	1126	End	3884
GI	none	Score	445
Exons	1126..1461, 1143..1460, 1304..1468, 2794..3240, 2794..3240, 2795..3250, 3609..3686, 3610..3729, 3611..3808, 3611..3754, 3830..3871, 3831..3884		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563
Name	OJ990630_12.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	1152	End	1383
GI	none	Score	167
Exons	1152..1379, 1152..1379, 1168..1383		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563
Name	OJ990630_12.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	1384	End	3210
GI	none	Score	108
Exons	1384..1461, 1386..1460, 2776..2910, 2794..2907, 2795..2914, 2909..3205, 2911..3210, 2911..3204		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563
Name	OJ990630_12.9C03.C8.o2.tc	Method	TBLASTX:Cress
Start	2780	End	3075
GI	none	Score	356
Exons	2780..3067, 2788..3075		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563

Name	OJ990630_12.9C03.C8.o3.tc	Method	TBLASTX:Cress
Start	3139	End	3748
GI	none	Score	150
Exons	3139..3240, 3140..3250, 3610..3717, 3611..3748		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563
Name	OJ990630_12.9C03.C8.o2.gs	Method	GENSCAN
Start	4628	End	5335
GI	none	Score	.56
Exons	4628..4691, 4810..4931, 5123..5335		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563
Name	OJ990630_12.9C03.C8.o2.np	Method	AAT/NAP
Start	4812	End	19563
GI	81286	Score	187
Exons	4812..4919, 5198..5421, 16202..16537, 19480..19563		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	12341	Seq. ID	OJ990630_12.9C03.C8
Gene No.	26129	Strand	-
Start	4628	End	19563
Name	OJ990630_12.9C03.C8.o5.gs	Method	GENSCAN
Start	9374	End	16166
GI	none	Score	.5
Exons	9374..9498, 10133..10220, 12647..12757, 12902..12993, 14780..14823, 15952..16166		

Seq. No.	12342	Seq. ID	OJ990630_12.9C03.C9
Gene No.	26130	Strand	+
Start	1	End	1464
Name	OJ990630_12.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	370
GI	5006853	Score	205
Exons	1..370		
GI Descrip.	(AF145728) homeodomain leucine zipper protein [Oryza sativa]		

Seq. No.	12342	Seq. ID	OJ990630_12.9C03.C9
Gene No.	26130	Strand	+
Start	1	End	1464
Name	OJ990630_12.9C03.C9.o1.gs	Method	GENSCAN
Start	80	End	1464
GI	none	Score	.47
Exons	80..342, 500..518, 562..714, 1348..1464		

Seq. No.	12342	Seq. ID	OJ990630_12.9C03.C9
Gene No.	26131	Strand	-
Start	1882	End	2984
Name	OJ990630_12.9C03.C9.o2.gs	Method	GENSCAN
Start	1882	End	2984
GI	none	Score	.74
Exons	1882..2038, 2752..2984		

Seq. No.	12343	Seq. ID	OJ990630_12.9C03.C10
Gene No.	26132	Strand	+
Start	1525	End	3180
Name	OJ990630_12.9C03.C10.o1.np	Method	AAT/NAP
Start	1525	End	3180
GI	6523054	Score	571
Exons	1525..1794, 2088..2204, 2295..2723, 2802..3180		
GI Descrip.	(AL133314) arm repeat containing protein homolog [Arabidopsis thaliana]		

Seq. No.	12343	Seq. ID	OJ990630_12.9C03.C10
Gene No.	26132	Strand	+
Start	1525	End	3180
Name	OJ990630_12.9C03.C10.o1.gs	Method	GENSCAN
Start	1531	End	3103
GI	none	Score	.96
Exons	1531..1794, 2088..2204, 2295..2723, 2802..3103		

Seq. No.	12343	Seq. ID	OJ990630_12.9C03.C10
Gene No.	26132	Strand	+
Start	1525	End	3180
Name	OJ990630_12.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	2625	End	2966
GI	none	Score	104
Exons	2625..2762, 2634..2738, 2801..2953, 2802..2966		

Seq. No.	12343	Seq. ID	OJ990630_12.9C03.C10
Gene No.	26132	Strand	+
Start	1525	End	3180
Name	OJ990630_12.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	2642	End	2966
GI	none	Score	102
Exons	2642..2728, 2643..2738, 2801..2953, 2802..2966		

Seq. No.	12343	Seq. ID	OJ990630_12.9C03.C10
Gene No.	26132	Strand	+
Start	1525	End	3180
Name	OJ990630_12.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	2649	End	3179
GI	none	Score	108
Exons	2649..2738, 2651..2722, 2802..2963, 2825..2959, 3018..3179		

Seq. No.	12343	Seq. ID	OJ990630_12.9C03.C10
Gene No.	26132	Strand	+
Start	1525	End	3180
Name	OJ990630_12.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	2655	End	2957
GI	none	Score	87
Exons	2655..2729, 2802..2957, 2828..2950		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26133	Strand	+
Start	1	End	548
Name	OJ990630_12.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	548
GI	3927830	Score	303
Exons	1..548		

GI Descrip. (AC005727) hypothetical protein [Arabidopsis thaliana]

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26133	Strand	+
Start	1	End	548
Name	OJ990630_12.9C03.C11.o1.gs	Method	GENSCAN
Start	56	End	493
GI	none	Score	.57
Exons	56..493		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26134	Strand	+
Start	5284	End	10740
Name	OJ990630_12.9C03.C11.o3.np	Method	AAT/NAP
Start	5284	End	10740
GI	6498441	Score	7139
Exons	5284..6348, 6681..7144, 7208..7581, 7765..7899, 8074..8796, 8968..10365, 10459..10740		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26135	Strand	-
Start	1	End	2760
Name	OJ990630_12.9C03.C11.o2.np	Method	AAT/NAP
Start	1	End	2760
GI	6721547	Score	78
Exons	1..37, 2666..2760		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	472
GI	none	Score	331
Exons	1..168, 2..472		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o4.tm	Method	TBLASTX:Maize
Start	1	End	358
GI	none	Score	263
Exons	1..162, 2..358, 23..181		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	472
GI	none	Score	325
Exons	1..162, 2..472		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-

Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o6.tw	Method	TBLASTX:Wheat
Start	5436	End	5825
GI	none	Score	54
Exons	5436..5480, 5487..5585, 5504..5584, 5552..5791, 5568..5825		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o5.tm	Method	TBLASTX:Maize
Start	5475	End	5723
GI	none	Score	194
Exons	5475..5723, 5477..5722		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o3.tw	Method	TBLASTX:Wheat
Start	6565	End	7051
GI	none	Score	406
Exons	6565..6738, 6566..7051, 6760..7020		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	7215	End	7678
GI	none	Score	220
Exons	7215..7658, 7216..7671, 7217..7678		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o3.ts	Method	TBLASTX:Soybean
Start	7256	End	7621
GI	none	Score	118
Exons	7256..7480, 7487..7621		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	7346	End	7702
GI	none	Score	392
Exons	7346..7702, 7381..7692, 7586..7702		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	7729	End	8113
GI	none	Score	360
Exons	7729..8094, 7730..8113		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478

Name	OJ990630_12.9C03.C11.o2.tw	Method	TBLASTX:Wheat
Start	7786	End	8206
GI	none	Score	494
Exons	7786..8181, 7787..8206		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	7865	End	8236
GI	none	Score	276
Exons	7865..8236, 7882..8025		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o5.tw	Method	TBLASTX:Wheat
Start	8668	End	9102
GI	none	Score	221
Exons	8668..8892, 8668..8892, 8733..8909, 8953..9102, 8979..9101		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o8.tw	Method	TBLASTX:Wheat
Start	9105	End	9417
GI	none	Score	188
Exons	9105..9281, 9157..9417		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	9610	End	9933
GI	none	Score	354
Exons	9610..9933, 9639..9920		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o4.tw	Method	TBLASTX:Wheat
Start	9747	End	10148
GI	none	Score	368
Exons	9747..9824, 9748..10128, 9845..9988, 9852..10148		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o7.tw	Method	TBLASTX:Wheat
Start	10153	End	10731
GI	none	Score	239
Exons	10153..10413, 10155..10412, 10168..10545, 10269..10439, 10605..10727, 10606..10731		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478

Name	OJ990630_12.9C03.C11.o3.gs	Method	GENSCAN
Start	11363	End	12427
GI	none	Score	.5
Exons	11363..12427		

Seq. No.	12344	Seq. ID	OJ990630_12.9C03.C11
Gene No.	26136	Strand	-
Start	11363	End	12478
Name	OJ990630_12.9C03.C11.o4.np	Method	AAT/NAP
Start	11366	End	12478
GI	6907089	Score	1589
Exons	11366..12478		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12345	Seq. ID	OJ990630_12.9C03.C12
Gene No.	26137	Strand	+
Start	4490	End	7719
Name	OJ990630_12.9C03.C12.o2.gs	Method	GENSCAN
Start	4490	End	7719
GI	none	Score	.64
Exons	4490..4521, 4587..4719, 4755..4923, 5344..5678, 5897..6054, 6136..6494, 6569..6756, 6832..7021, 7094..7198, 7271..7719		

Seq. No.	12345	Seq. ID	OJ990630_12.9C03.C12
Gene No.	26137	Strand	+
Start	4490	End	7719
Name	OJ990630_12.9C03.C12.o2.np	Method	AAT/NAP
Start	4794	End	7716
GI	6691716	Score	2317
Exons	4794..5678, 5876..6054, 6136..6422, 6568..6756, 6832..6943, 7094..7198, 7271..7716		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12345	Seq. ID	OJ990630_12.9C03.C12
Gene No.	26138	Strand	-
Start	1	End	2387
Name	OJ990630_12.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	2387
GI	5803259	Score	3014
Exons	1..1036, 1137..2387		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	12345	Seq. ID	OJ990630_12.9C03.C12
Gene No.	26138	Strand	-
Start	1	End	2387
Name	OJ990630_12.9C03.C12.o1.gs	Method	GENSCAN
Start	36	End	2387
GI	none	Score	.73
Exons	36..1036, 1137..1163, 1331..2191, 2258..2387		

Seq. No.	12345	Seq. ID	OJ990630_12.9C03.C12
Gene No.	26139	Strand	
Start	4914	End	5204
Name	OJ990630_12.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	4914	End	5204

GI	none	Score	214
Exons	4914..5204		

Seq. No.	12346	Seq. ID	OJ990920_18.9C06.C4
Gene No.	26140	Strand	+
Start	1880	End	1995
Name	OJ990920_18.9C06.C4.o1.gs	Method	GENSCAN
Start	1880	End	1995
GI	none	Score	.53
Exons	1880..1995		

Seq. No.	12347	Seq. ID	OJ990920_18.9C06.C5
Gene No.	26141	Strand	+
Start	1	End	2144
Name	OJ990920_18.9C06.C5.o1.np	Method	AAT/NAP
Start	1	End	2144
GI	6598859	Score	338
Exons	1..122, 859..932, 987..1083, 1227..1546, 2078..2144		
GI Descrip.	(AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12347	Seq. ID	OJ990920_18.9C06.C5
Gene No.	26141	Strand	+
Start	1	End	2144
Name	OJ990920_18.9C06.C5.o1.gs	Method	GENSCAN
Start	33	End	1580
GI	none	Score	.42
Exons	33..122, 1266..1580		

Seq. No.	12347	Seq. ID	OJ990920_18.9C06.C5
Gene No.	26141	Strand	+
Start	1	End	2144
Name	OJ990920_18.9C06.C5.o1.ts	Method	TBLASTX:Soybean
Start	1263	End	1544
GI	4286385	Score	269
Exons	1263..1544, 1271..1504		
GI Descrip.	1915974 8.0e-43 (U62329) fructokinase [Lycopersicon esculentum] >gi_2102693 (U64818) fructokinase [Lycopersicon esculentum]		

Seq. No.	12347	Seq. ID	OJ990920_18.9C06.C5
Gene No.	26141	Strand	+
Start	1	End	2144
Name	OJ990920_18.9C06.C5.o1.tm	Method	TBLASTX:Maize
Start	1292	End	1583
GI	none	Score	409
Exons	1292..1576, 1293..1574, 1308..1583, 1513..1581		

Seq. No.	12348	Seq. ID	OJ990920_18.9C06.C6
Gene No.	26142	Strand	+
Start	78	End	1119
Name	OJ990920_18.9C06.C6.o1.gs	Method	GENSCAN
Start	78	End	1119
GI	none	Score	.83
Exons	78..261, 980..1119		

Seq. No.	12349	Seq. ID	OJ990920_18.9C06.C7
Gene No.	26143	Strand	+
Start	1	End	582

Name	OJ990920_18.9C06.C7.o1.np	Method	AAT/NAP
Start	1	End	582
GI	6650526	Score	289
Exons	1..582		
GI Descrip.	(AF101045) putative transcription factor X1 [Oryza sativa subsp. japonica]		

Seq. No.	12349	Seq. ID	OJ990920_18.9C06.C7
Gene No.	26143	Strand	+
Start	1	End	582
Name	OJ990920_18.9C06.C7.o1.gp	Method	AAT/GAP
Start	463	End	582
GI	uC-osflcyp157c05b1	Score	217
Exons	463..582		
GI Descrip.	'2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	12350	Seq. ID	OJ990920_18.9C06.C8
Gene No.	26144	Strand	-
Start	1524	End	1608
Name	OJ990920_18.9C06.C8.o1.np	Method	AAT/NAP
Start	1524	End	1608
GI	6721547	Score	94
Exons	1524..1608		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26145	Strand	+
Start	942	End	1323
Name	OJ990920_18.9C06.C9.o1.gp	Method	AAT/GAP
Start	942	End	1323
GI	uC-osflcyp033a04b1	Score	663
Exons	942..1323		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26146	Strand	+
Start	1231	End	8867
Name	OJ990920_18.9C06.C9.o1.gs	Method	GENSCAN
Start	1231	End	8564
GI	none	Score	.4
Exons	1231..1275, 2502..2575, 2620..3667, 3723..4022, 4069..4354, 4460..5024, 5181..5430, 5473..5649, 5737..6498, 6616..7029, 7189..7326, 7665..7836, 8035..8224, 8306..8564		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26146	Strand	+
Start	1231	End	8867
Name	OJ990920_18.9C06.C9.o1.np	Method	AAT/NAP
Start	5746	End	8867
GI	5902445	Score	3096
Exons	5746..7584, 7624..8867		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9

Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o7.tw	Method	TBLASTX:Wheat
Start	4072	End	4461
GI	none	Score	240
Exons	4072..4461		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o4.tw	Method	TBLASTX:Wheat
Start	5044	End	10675
GI	none	Score	147
Exons	5044..5226, 5052..5225, 5263..5499, 5265..5381, 5269..5484, 5424..5489, 5489..5542, 10554..10640, 10658..10675		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o1.tw	Method	TBLASTX:Wheat
Start	5691	End	12188
GI	none	Score	573
Exons	5691..6146, 5692..6147, 12087..12188		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o2.ts	Method	TBLASTX:Soybean
Start	5731	End	6096
GI	none	Score	113
Exons	5731..5955, 5962..6096		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o1.tm	Method	TBLASTX:Maize
Start	5821	End	6177
GI	none	Score	431
Exons	5821..6177, 5875..6123, 5883..6176		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o3.tm	Method	TBLASTX:Maize
Start	6205	End	6588
GI	none	Score	334
Exons	6205..6588, 6239..6421, 6372..6587		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o2.tw	Method	TBLASTX:Wheat
Start	6262	End	6686
GI	none	Score	459
Exons	6262..6684, 6262..6651, 6372..6686		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9

Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o1.ts	Method	TBLASTX:Soybean
Start	6316	End	6741
GI	none	Score	310
Exons	6316..6741, 6375..6500		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o6.tw	Method	TBLASTX:Wheat
Start	6832	End	7239
GI	none	Score	211
Exons	6832..7056, 6852..7058, 7066..7239, 7159..7239		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o3.ts	Method	TBLASTX:Soybean
Start	6955	End	7338
GI	none	Score	83
Exons	6955..7062, 7075..7338, 7218..7316		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o2.tm	Method	TBLASTX:Maize
Start	7743	End	8048
GI	none	Score	357
Exons	7743..8048, 7760..8047		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o5.tw	Method	TBLASTX:Wheat
Start	7743	End	8126
GI	none	Score	368
Exons	7743..8126, 7751..8125		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o3.tw	Method	TBLASTX:Wheat
Start	8250	End	8858
GI	none	Score	361
Exons	8250..8702, 8264..8350, 8399..8506, 8727..8858, 8732..8857		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o4.tm	Method	TBLASTX:Maize
Start	8574	End	8822
GI	none	Score	149
Exons	8574..8738, 8739..8822		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-

Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o2.gs	Method	GENSCAN
Start	9512	End	12861
GI	none	Score	.75
Exons	9512..9999, 10097..10242, 10364..11125, 11195..11253, 11360..11503, 11571..11695, 11860..12059, 12393..12553, 12808..12861		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o2.np	Method	AAT/NAP
Start	10363	End	11969
GI	6721561	Score	1000
Exons	10363..11125, 11195..11253, 11324..11536, 11934..11969		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12351	Seq. ID	OJ990920_18.9C06.C9
Gene No.	26147	Strand	-
Start	9512	End	12861
Name	OJ990920_18.9C06.C9.o3.np	Method	AAT/NAP
Start	10925	End	12492
GI	6721558	Score	232
Exons	10925..11125, 11563..11695, 12393..12492		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26148	Strand	+
Start	194	End	262
Name	OJ990920_18.9C06.C10.o1.gs	Method	GENSCAN
Start	194	End	262
GI	none	Score	.94
Exons	194..262		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26149	Strand	-
Start	1	End	6638
Name	OJ990920_18.9C06.C10.o1.np	Method	AAT/NAP
Start	1	End	1857
GI	6721512	Score	104
Exons	1..64, 131..274, 1645..1857		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26149	Strand	-
Start	1	End	6638
Name	OJ990920_18.9C06.C10.o2.gs	Method	GENSCAN
Start	1500	End	6152
GI	none	Score	.82
Exons	1500..1811, 2147..2237, 2333..2727, 2831..2956, 3115..5157, 5585..5779, 6063..6152		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26149	Strand	-
Start	1	End	6638
Name	OJ990920_18.9C06.C10.o2.np	Method	AAT/NAP
Start	2085	End	6638
GI	2829910	Score	1310
Exons	2085..2237, 2333..3059, 3184..5155, 5652..5779, 5875..5961, 6063..6152, 6582..6638		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26149	Strand	-
Start	1	End	6638
Name	OJ990920_18.9C06.C10.o2.ts	Method	TBLASTX:Soybean
Start	3535	End	3717
GI	none	Score	216
Exons	3535..3717		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26149	Strand	-
Start	1	End	6638
Name	OJ990920_18.9C06.C10.o2.tm	Method	TBLASTX:Maize
Start	3550	End	3750
GI	none	Score	69
Exons	3550..3750, 3559..3696, 3674..3748		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26149	Strand	-
Start	1	End	6638
Name	OJ990920_18.9C06.C10.o1.ts	Method	TBLASTX:Soybean
Start	3721	End	4878
GI	none	Score	182
Exons	3721..4215, 3722..4144, 3767..3904, 3904..4218, 4000..4209, 4249..4401, 4255..4455, 4354..4446, 4534..4764, 4540..4566, 4546..4722, 4570..4773, 4831..4878		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26149	Strand	-
Start	1	End	6638
Name	OJ990920_18.9C06.C10.o1.tm	Method	TBLASTX:Maize
Start	3751	End	4827
GI	none	Score	82
Exons	3751..3954, 3761..3976, 3779..3961, 3874..4149, 4093..4218, 4240..4443, 4241..4474, 4243..4827, 4250..4504, 4709..4825		

Seq. No.	12352	Seq. ID	OJ990920_18.9C06.C10
Gene No.	26149	Strand	-
Start	1	End	6638
Name	OJ990920_18.9C06.C10.o1.tc	Method	TBLASTX:Cress
Start	3757	End	4890
GI	none	Score	122
Exons	3757..3900, 3853..4287, 3854..4147, 4000..4281, 4255..4422, 4351..4467, 4354..4446, 4411..4449, 4534..4836, 4534..4719, 4675..4773, 4831..4890		

Seq. No.	12353	Seq. ID	OJ990920_18.9C06.C11
Gene No.	26150	Strand	+
Start	442	End	2072
Name	OJ990920_18.9C06.C11.o1.gs	Method	GENSCAN
Start	442	End	2072
GI	none	Score	.59
Exons	442..700, 1539..1772, 2033..2072		

Seq. No.	12353	Seq. ID	OJ990920_18.9C06.C11
Gene No.	26151	Strand	+
Start	4163	End	5400
Name	OJ990920_18.9C06.C11.o3.gs	Method	GENSCAN
Start	4163	End	5400
GI	none	Score	.73
Exons	4163..4328, 4917..5101, 5169..5290, 5364..5400		

Seq. No.	12353	Seq. ID	OJ990920_18.9C06.C11
Gene No.	26152	Strand	+
Start	6406	End	6534
Name	OJ990920_18.9C06.C11.o2.gp	Method	AAT/GAP
Start	6406	End	6534
GI	LIB3474-009-P1-K1-F11	Score	222
Exons	6406..6534		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	12353	Seq. ID	OJ990920_18.9C06.C11
Gene No.	26153	Strand	-
Start	2449	End	3107
Name	OJ990920_18.9C06.C11.o2.gs	Method	GENSCAN
Start	2449	End	3107
GI	none	Score	.84
Exons	2449..2687, 3059..3107		

Seq. No.	12353	Seq. ID	OJ990920_18.9C06.C11
Gene No.	26154	Strand	-
Start	3307	End	3507
Name	OJ990920_18.9C06.C11.o1.gp	Method	AAT/GAP
Start	3307	End	3507
GI	2227_1.R1084	Score	305
Exons	3307..3507		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	12354	Seq. ID	OJ990920_18.9C06.C12
Gene No.	26155	Strand	-
Start	552	End	3564
Name	OJ990920_18.9C06.C12.o1.gp	Method	AAT/GAP
Start	274	End	727
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	274..727		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	12354	Seq. ID	OJ990920_18.9C06.C12
Gene No.	26155	Strand	-
Start	552	End	3564

Name	OJ990920_18.9C06.C12.o1.gs	Method	GENSCAN
Start	552	End	3543
GI	none	Score	.71
Exons	552..712, 849..1118, 1182..1312, 1403..1440, 1506..1688, 1781..2039, 2116..2414, 2458..2868, 2953..3289, 3395..3543		

Seq. No.	12354	Seq. ID	OJ990920_18.9C06.C12
Gene No.	26155	Strand	-
Start	552	End	3564
Name	OJ990920_18.9C06.C12.o1.np	Method	AAT/NAP
Start	832	End	3564
GI	5441880	Score	2365
Exons	832..1066, 1182..1312, 1403..1426, 1463..1536, 1781..2039, 2116..2414, 2953..3289, 3395..3564		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	12354	Seq. ID	OJ990920_18.9C06.C12
Gene No.	26155	Strand	-
Start	552	End	3564
Name	OJ990920_18.9C06.C12.o2.gp	Method	AAT/GAP
Start	1789	End	2288
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	1789..2039, 2116..2288		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	12355	Seq. ID	OJ990920_18.9C06.C13
Gene No.	26156	Strand	-
Start	1	End	470
Name	OJ990920_18.9C06.C13.o1.np	Method	AAT/NAP
Start	1	End	345
GI	5441880	Score	83
Exons	1..50, 309..345		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	12355	Seq. ID	OJ990920_18.9C06.C13
Gene No.	26156	Strand	-
Start	1	End	470
Name	OJ990920_18.9C06.C13.o1.gs	Method	GENSCAN
Start	112	End	470
GI	none	Score	.8
Exons	112..470		

Seq. No.	12356	Seq. ID	OJ990920_18.9C06.C14
Gene No.	26157	Strand	-
Start	523	End	696
Name	OJ990920_18.9C06.C14.o1.gs	Method	GENSCAN
Start	523	End	696
GI	none	Score	.71
Exons	523..598, 650..696		

Seq. No.	12357	Seq. ID	OJ990920_18.9C06.C15

Gene No.	26158	Strand	-
Start	568	End	870
Name	OJ990920_18.9C06.C15.o1.gs	Method	GENSCAN
Start	568	End	870
GI	none	Score	.8
Exons	568..620, 666..870		

Seq. No.	12358	Seq. ID	OJ990920_18.9C06.C17
Gene No.	26159	Strand	-
Start	903	End	2069
Name	OJ990920_18.9C06.C17.o1.gs	Method	GENSCAN
Start	903	End	2069
GI	none	Score	.72
Exons	903..968, 1846..1930, 1988..2069		

Seq. No.	12359	Seq. ID	OJ990920_18.9C06.C19
Gene No.	26160	Strand	-
Start	1013	End	2231
Name	OJ990920_18.9C06.C19.o1.gs	Method	GENSCAN
Start	1013	End	2231
GI	none	Score	.51
Exons	1013..1103, 1541..1613, 1680..2054, 2171..2231		

Seq. No.	12360	Seq. ID	OJ990920_18.9C06.C20
Gene No.	26161	Strand	+
Start	226	End	1793
Name	OJ990920_18.9C06.C20.o1.np	Method	AAT/NAP
Start	226	End	1790
GI	3377812	Score	123
Exons	226..306, 1316..1391, 1471..1691, 1724..1790		
GI Descrip.	(AF076275) contains similarity to heavy-metal-associated domain containing proteins (Pfam: HMA.hm, score: 12.02) [Arabidopsis thaliana]		

Seq. No.	12360	Seq. ID	OJ990920_18.9C06.C20
Gene No.	26161	Strand	+
Start	226	End	1793
Name	OJ990920_18.9C06.C20.o2.gs	Method	GENSCAN
Start	1166	End	1793
GI	none	Score	.9
Exons	1166..1219, 1316..1391, 1471..1793		

Seq. No.	12360	Seq. ID	OJ990920_18.9C06.C20
Gene No.	26162	Strand	-
Start	16	End	227
Name	OJ990920_18.9C06.C20.o1.gs	Method	GENSCAN
Start	16	End	227
GI	none	Score	.98
Exons	16..227		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26163	Strand	+
Start	132	End	2748
Name	OJ990920_18.9C06.C21.o1.np	Method	AAT/NAP
Start	132	End	2338
GI	4455287	Score	332
Exons	132..296, 997..1087, 1125..1224, 1314..1478, 2204..2338		

GI Descrip. (AL035527) putative protein [Arabidopsis thaliana]

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26163	Strand	+
Start	132	End	2748
Name	OJ990920_18.9C06.C21.o1.gs	Method	GENSCAN
Start	165	End	2748
GI	none	Score	.89
Exons	165..296, 1314..1478, 2420..2497, 2650..2748		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26163	Strand	+
Start	132	End	2748
Name	OJ990920_18.9C06.C21.o1.gp	Method	AAT/GAP
Start	997	End	1515
GI	LIB3433-060-P1-K1-D2	Score	544
Exons	997..1087, 1172..1224, 1314..1515		
GI Descrip.	'4455287/emb|CAB36823.1| 4.0e-27 (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26163	Strand	+
Start	132	End	2748
Name	OJ990920_18.9C06.C21.o2.np	Method	AAT/NAP
Start	2214	End	2739
GI	4038034	Score	311
Exons	2214..2321, 2420..2497, 2650..2739		
GI Descrip.	(AC005936) unknown protein [Arabidopsis thaliana]		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26164	Strand	+
Start	3410	End	4117
Name	OJ990920_18.9C06.C21.o2.gs	Method	GENSCAN
Start	3410	End	4117
GI	none	Score	1
Exons	3410..4117		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o2.ts	Method	TBLASTX:Soybean
Start	204	End	1481
GI	none	Score	91
Exons	204..299, 219..296, 997..1101, 1005..1085, 1165..1296, 1311..1481, 1311..1478		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o3.tm	Method	TBLASTX:Maize
Start	204	End	1481
GI	none	Score	107
Exons	204..299, 210..281, 997..1086, 999..1088, 999..1091, 1311..1481, 1313..1474		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-

Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o2.tc	Method	TBLASTX:Cress
Start	1310	End	2736
GI	none	Score	216
Exons	1310..1471, 1314..1481, 1865..1987, 1889..1987, 2198..2374, 2199..2333, 2414..2452, 2453..2500, 2635..2736, 2652..2726		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o2.tm	Method	TBLASTX:Maize
Start	1877	End	2739
GI	none	Score	107
Exons	1877..1987, 1889..1987, 2196..2231, 2198..2314, 2199..2324, 2277..2330, 2414..2500, 2418..2495, 2420..2497, 2635..2739		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o1.ts	Method	TBLASTX:Soybean
Start	1940	End	2736
GI	none	Score	65
Exons	1940..1987, 2198..2380, 2199..2333, 2414..2497, 2418..2495, 2419..2496, 2420..2524, 2635..2736		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o1.tm	Method	TBLASTX:Maize
Start	3821	End	4048
GI	none	Score	262
Exons	3821..4048, 3824..4009, 3847..4026		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o3.gs	Method	GENSCAN
Start	5585	End	5986
GI	none	Score	1
Exons	5585..5986		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o3.np	Method	AAT/NAP
Start	5606	End	5996
GI	6911846	Score	296
Exons	5606..5996		
GI Descrip.	(AL138649) sulfotransferase-like protein [Arabidopsis thaliana]		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o1.tc	Method	TBLASTX:Cress
Start	5624	End	5996
GI	none	Score	61
Exons	5624..5731, 5627..5713, 5762..5995, 5769..5996		

Seq. No.	12361	Seq. ID	OJ990920_18.9C06.C21
Gene No.	26165	Strand	-
Start	5585	End	5996
Name	OJ990920_18.9C06.C21.o4.tm	Method	TBLASTX:Maize
Start	5756	End	5968
GI	none	Score	94
Exons	5756..5968, 5757..5966		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26166	Strand	+
Start	5585	End	7410
Name	OJ990920_18.9C06.C22.o3.gs	Method	GENSCAN
Start	5585	End	7410
GI	none	Score	.71
Exons	5585..5815, 5939..5972, 6287..6356, 6358..6533, 6625..6789, 7190..7410		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o1.np	Method	AAT/NAP
Start	1	End	265
GI	4406768	Score	147
Exons	1..265		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o2.np	Method	AAT/NAP
Start	1	End	10472
GI	6686402	Score	1132
Exons	1..27, 1956..2194, 2296..2551, 2621..3413, 3471..3621, 9187..9735, 9808..10472		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o2.gs	Method	GENSCAN
Start	1736	End	3670
GI	none	Score	.71
Exons	1736..1753, 1977..2106, 2296..2948, 3034..3535, 3603..3670		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o1.tc	Method	TBLASTX:Cress
Start	2278	End	2876
GI	none	Score	65
Exons	2278..2421, 2298..2435, 2493..2522, 2622..2876		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472

Name	OJ990920_18.9C06.C22.o1.tm	Method	TBLASTX:Maize
Start	2376	End	3333
GI	none	Score	40
Exons	2376..2405, 2377..2406, 2406..2435, 2463..2540, 2464..2541, 2622..2957, 2725..2946, 3043..3165, 3193..3333		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o1.ts	Method	TBLASTX:Soybean
Start	2718	End	2975
GI	none	Score	139
Exons	2718..2975, 2725..2949, 2835..2951		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o3.np	Method	AAT/NAP
Start	6249	End	10472
GI	6686402	Score	309
Exons	6249..6267, 9214..9735, 9808..10472		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o4.gs	Method	GENSCAN
Start	8976	End	10350
GI	none	Score	.89
Exons	8976..9065, 9127..9735, 9814..10350		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o2.tm	Method	TBLASTX:Maize
Start	9208	End	9628
GI	none	Score	132
Exons	9208..9345, 9355..9414, 9430..9609, 9433..9618, 9434..9628		

Seq. No.	12362	Seq. ID	OJ990920_18.9C06.C22
Gene No.	26167	Strand	-
Start	1	End	10472
Name	OJ990920_18.9C06.C22.o2.ts	Method	TBLASTX:Soybean
Start	9451	End	9654
GI	5753266	Score	107
Exons	9451..9654, 9452..9580		
GI Descrip.	-		

Seq. No.	12363	Seq. ID	OJ990920_18.9C06.C23
Gene No.	26168	Strand	-
Start	1525	End	2181
Name	OJ990920_18.9C06.C23.o1.np	Method	AAT/NAP
Start	1525	End	2181
GI	5922628	Score	160
Exons	1525..1780, 2087..2181		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26169	Strand	+
Start	55	End	5914
Name	OJ990920_18.9C06.C24.o1.np	Method	AAT/NAP
Start	55	End	5878
GI	5922631	Score	6564
Exons	55..426, 684..881, 927..1498, 1541..1691, 1818..2744, 3351..5878		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26169	Strand	+
Start	55	End	5914
Name	OJ990920_18.9C06.C24.o1.gs	Method	GENSCAN
Start	221	End	5914
GI	none	Score	.53
Exons	221..514, 667..1054, 1081..2032, 2063..2189, 2295..2736, 2758..3106, 3203..4657, 4950..5083, 5101..5914		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26170	Strand	-
Start	6244	End	9164
Name	OJ990920_18.9C06.C24.o2.gs	Method	GENSCAN
Start	6244	End	9164
GI	none	Score	.85
Exons	6244..6656, 6769..6882, 6945..7134, 7209..7396, 7474..7832, 7909..8069, 8280..9164		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26170	Strand	-
Start	6244	End	9164
Name	OJ990920_18.9C06.C24.o2.np	Method	AAT/NAP
Start	6256	End	9164
GI	6691716	Score	2438
Exons	6256..6695, 6769..6882, 7032..7134, 7209..7396, 7474..7661, 7732..7832, 7909..8086, 8276..9164		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o7.tw	Method	TBLASTX:Wheat
Start	1102	End	1504
GI	none	Score	292
Exons	1102..1410, 1103..1504		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-

Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o6.tw	Method	TBLASTX:Wheat
Start	2084	End	2761
GI	none	Score	133
Exons	2084..2260, 2305..2541, 2309..2539, 2588..2761		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o1.tw	Method	TBLASTX:Wheat
Start	2761	End	3217
GI	none	Score	487
Exons	2761..3216, 2762..3217		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o3.ts	Method	TBLASTX:Soybean
Start	2801	End	3166
GI	none	Score	135
Exons	2801..3025, 3032..3166		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o2.tm	Method	TBLASTX:Maize
Start	2891	End	3247
GI	none	Score	364
Exons	2891..3247, 2932..3237		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o3.tw	Method	TBLASTX:Wheat
Start	3332	End	3756
GI	none	Score	434
Exons	3332..3751, 3376..3756		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o1.ts	Method	TBLASTX:Soybean
Start	3410	End	3811
GI	none	Score	314
Exons	3410..3811, 3427..3570, 3607..3777		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o3.tm	Method	TBLASTX:Maize
Start	3478	End	3922
GI	none	Score	267
Exons	3478..3732, 3479..3733, 3479..3736, 3755..3886, 3896..3922		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576

Name	OJ990920_18.9C06.C24.o8.tw	Method	TBLASTX:Wheat
Start	3761	End	4045
GI	none	Score	274
Exons	3761..4042, 3773..3868, 3950..4045		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o2.ts	Method	TBLASTX:Soybean
Start	4037	End	4425
GI	none	Score	87
Exons	4037..4141, 4045..4131, 4177..4425, 4181..4423		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o4.tw	Method	TBLASTX:Wheat
Start	4046	End	4468
GI	none	Score	409
Exons	4046..4468, 4051..4392		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o6.tm	Method	TBLASTX:Maize
Start	4100	End	4372
GI	none	Score	119
Exons	4100..4270, 4274..4372		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o10.tw	Method	TBLASTX:Wheat
Start	4484	End	4783
GI	none	Score	138
Exons	4484..4618, 4685..4783		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o1.tm	Method	TBLASTX:Maize
Start	4778	End	5143
GI	none	Score	453
Exons	4778..5086, 4787..5104, 4801..5103, 5096..5143		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o5.tw	Method	TBLASTX:Wheat
Start	4784	End	5173
GI	none	Score	408
Exons	4784..5155, 4787..5173		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o5.tm	Method	TBLASTX:Maize

Start	5245	End	5518
GI	none	Score	93
Exons	5245..5352, 5246..5344, 5335..5409, 5339..5422, 5432..5518		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o2.tw	Method	TBLASTX:Wheat
Start	5288	End	5902
GI	none	Score	365
Exons	5288..5779, 5308..5397, 5449..5577, 5771..5902		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o4.tm	Method	TBLASTX:Maize
Start	5600	End	5863
GI	none	Score	169
Exons	5600..5782, 5722..5781, 5761..5862, 5762..5863		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o9.tw	Method	TBLASTX:Wheat
Start	8754	End	9044
GI	none	Score	194
Exons	8754..9044		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o3.np	Method	AAT/NAP
Start	9999	End	11576
GI	2944088	Score	112
Exons	9999..10016, 11366..11576		
GI Descrip.	(AF050102) glutathione s-transferase [Oryza sativa]		

Seq. No.	12364	Seq. ID	OJ990920_18.9C06.C24
Gene No.	26171	Strand	-
Start	9999	End	11576
Name	OJ990920_18.9C06.C24.o3.gs	Method	GENSCAN
Start	11138	End	11497
GI	none	Score	.93
Exons	11138..11497		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26172	Strand	+
Start	115	End	2814
Name	OJ990920_18.9C06.C25.o1.gs	Method	GENSCAN
Start	115	End	2814
GI	none	Score	.64
Exons	115..183, 1077..1098, 1601..1801, 2726..2814		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26173	Strand	+
Start	10465	End	11344
Name	OJ990920_18.9C06.C25.o4.np	Method	AAT/NAP

Start	10374	End	11344
GI	4539658	Score	99
Exons	10374..10622, 11274..11344		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26173	Strand	+
Start	10465	End	11344
Name	OJ990920_18.9C06.C25.o3.np	Method	AAT/NAP
Start	10431	End	11344
GI	4539658	Score	102
Exons	10431..10622, 11274..11344		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26173	Strand	+
Start	10465	End	11344
Name	OJ990920_18.9C06.C25.o4.gs	Method	GENSCAN
Start	10465	End	11305
GI	none	Score	.98
Exons	10465..10467, 11150..11305		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26174	Strand	-
Start	2526	End	2935
Name	OJ990920_18.9C06.C25.o1.gp	Method	AAT/GAP
Start	2526	End	2935
GI	none	Score	765
Exons	2526..2935		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26175	Strand	-
Start	4128	End	5195
Name	OJ990920_18.9C06.C25.o2.gs	Method	GENSCAN
Start	4128	End	5195
GI	none	Score	.99
Exons	4128..5195		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26175	Strand	-
Start	4128	End	5195
Name	OJ990920_18.9C06.C25.o1.np	Method	AAT/NAP
Start	4131	End	5177
GI	6752886	Score	1008
Exons	4131..4808, 4838..5177		
GI Descrip.	(AF220203) Ttg1-like protein [Malus domestica]		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-
Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o1.tc	Method	TBLASTX:Cress
Start	4128	End	4985
GI	none	Score	71
Exons	4128..4250, 4129..4269, 4281..4778, 4284..4550, 4531..4776, 4923..4985		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-
Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o1.ts	Method	TBLASTX:Soybean
Start	4128	End	4985
GI	none	Score	75
Exons	4128..4250, 4128..4250, 4129..4251, 4240..4302, 4281..4412, 4281..4406, 4395..4463, 4404..4463, 4470..4550, 4470..4778, 4480..4776, 4923..4985		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-
Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o1.tm	Method	TBLASTX:Maize
Start	4197	End	4688
GI	none	Score	382
Exons	4197..4553, 4197..4688, 4201..4686		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-
Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o1.tw	Method	TBLASTX:Wheat
Start	4326	End	4605
GI	none	Score	61
Exons	4326..4367, 4327..4368, 4370..4552, 4371..4553, 4377..4604, 4381..4605		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-
Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o2.tm	Method	TBLASTX:Maize
Start	4920	End	5133
GI	none	Score	295
Exons	4920..5132, 4930..5133		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-
Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o2.gp	Method	AAT/GAP
Start	5756	End	8100
GI	945_1.R1084	Score	950
Exons	5756..6043, 7835..8100		
GI Descrip.	'5107149/gb|AAD39987.1|AF150080_1 5.0e-28 (AF150080) small zinc finger-like protein [Oryza sativa]'		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-
Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o3.tm	Method	TBLASTX:Maize
Start	5885	End	7934
GI	none	Score	211
Exons	5885..6049, 5895..6053, 5898..6053, 7835..7903, 7836..7934, 7842..7934		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-

Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o3.gs	Method	GENSCAN
Start	5894	End	8862
GI	none	Score	.59
Exons	5894..6043, 7835..8017, 8437..8510, 8631..8862		

Seq. No.	12365	Seq. ID	OJ990920_18.9C06.C25
Gene No.	26176	Strand	-
Start	5756	End	8862
Name	OJ990920_18.9C06.C25.o2.np	Method	AAT/NAP
Start	5897	End	7939
GI	5107149	Score	379
Exons	5897..6043, 7835..7939		
GI Descrip.	(AF150080) small zinc finger-like protein [Oryza sativa]		

Seq. No.	12366	Seq. ID	OJ990920_18.9C06.C26
Gene No.	26177	Strand	
Start	2	End	491
Name	OJ990920_18.9C06.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	491
GI	none	Score	84
Exons	2..76, 4..78, 176..205, 227..289, 244..291, 289..312, 329..349, 351..434, 352..435, 431..469, 465..491		

Seq. No.	12367	Seq. ID	OJ990920_18.9C06.C27
Gene No.	26178	Strand	+
Start	2798	End	4793
Name	OJ990920_18.9C06.C27.o2.gs	Method	GENSCAN
Start	2798	End	4793
GI	none	Score	.65
Exons	2798..3113, 3709..3751, 3802..3875, 4768..4793		

Seq. No.	12367	Seq. ID	OJ990920_18.9C06.C27
Gene No.	26179	Strand	+
Start	7723	End	8506
Name	OJ990920_18.9C06.C27.o3.gs	Method	GENSCAN
Start	7723	End	8506
GI	none	Score	.54
Exons	7723..7833, 7941..8169, 8373..8506		

Seq. No.	12367	Seq. ID	OJ990920_18.9C06.C27
Gene No.	26180	Strand	-
Start	88	End	4545
Name	OJ990920_18.9C06.C27.o1.gs	Method	GENSCAN
Start	88	End	1494
GI	none	Score	.86
Exons	88..238, 1008..1078, 1236..1494		

Seq. No.	12367	Seq. ID	OJ990920_18.9C06.C27
Gene No.	26180	Strand	-
Start	88	End	4545
Name	OJ990920_18.9C06.C27.o1.np	Method	AAT/NAP
Start	572	End	4545
GI	4539658	Score	191
Exons	572..596, 3258..3429, 3462..3594, 4487..4545		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	12367	Seq. ID	OJ990920_18.9C06.C27
Gene No.	26180	Strand	-
Start	88	End	4545
Name	OJ990920_18.9C06.C27.o2.np	Method	AAT/NAP
Start	706	End	3594
GI	4539658	Score	184
Exons	706..745, 3273..3429, 3462..3594		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	12367	Seq. ID	OJ990920_18.9C06.C27
Gene No.	26180	Strand	-
Start	88	End	4545
Name	OJ990920_18.9C06.C27.o1.tm	Method	TBLASTX:Maize
Start	3066	End	3693
GI	none	Score	146
Exons	3066..3224, 3075..3221, 3082..3228, 3083..3229, 3449..3565, 3450..3575, 3453..3578, 3454..3591, 3563..3679, 3564..3692, 3571..3693, 3571..3693		

Seq. No.	12368	Seq. ID	OJ990920_18.9C06.C28
Gene No.	26181	Strand	-
Start	1895	End	2698
Name	OJ990920_18.9C06.C28.o1.gs	Method	GENSCAN
Start	1895	End	2698
GI	none	Score	.48
Exons	1895..1920, 2539..2698		

Seq. No.	12369	Seq. ID	OJ990920_18.9C06.C29
Gene No.	26182	Strand	-
Start	125	End	1977
Name	OJ990920_18.9C06.C29.o1.np	Method	AAT/NAP
Start	125	End	1416
GI	3522951	Score	478
Exons	125..246, 349..524, 630..1170, 1348..1416		
GI Descrip.	(AC004411) putative RAV-like B3 domain DNA binding protein [Arabidopsis thaliana]		

Seq. No.	12369	Seq. ID	OJ990920_18.9C06.C29
Gene No.	26182	Strand	-
Start	125	End	1977
Name	OJ990920_18.9C06.C29.o1.gs	Method	GENSCAN
Start	185	End	1977
GI	none	Score	.84
Exons	185..596, 620..1402, 1404..1511, 1841..1977		

Seq. No.	12369	Seq. ID	OJ990920_18.9C06.C29
Gene No.	26182	Strand	-
Start	125	End	1977
Name	OJ990920_18.9C06.C29.o1.tc	Method	TBLASTX:Cress
Start	805	End	1149
GI	none	Score	155
Exons	805..846, 859..1056, 860..1030, 1051..1149, 1055..1147		

Seq. No.	12369	Seq. ID	OJ990920_18.9C06.C29
Gene No.	26182	Strand	-

Start	125	End	1977
Name	OJ990920_18.9C06.C29.o1.ts	Method	TBLASTX:Soybean
Start	820	End	1149
GI	none	Score	180
Exons	820..846, 859..1032, 860..1030, 1042..1149, 1055..1147		

Seq. No.	12369	Seq. ID	OJ990920_18.9C06.C29
Gene No.	26182	Strand	-
Start	125	End	1977
Name	OJ990920_18.9C06.C29.o1.tm	Method	TBLASTX:Maize
Start	859	End	1032
GI	none	Score	123
Exons	859..1029, 859..1032, 866..1030		

Seq. No.	12369	Seq. ID	OJ990920_18.9C06.C29
Gene No.	26183	Strand	
Start	2088	End	2356
Name	OJ990920_18.9C06.C29.o1.tw	Method	TBLASTX:Wheat
Start	2088	End	2356
GI	none	Score	247
Exons	2088..2351, 2111..2356		

Seq. No.	12369	Seq. ID	OJ990920_18.9C06.C29
Gene No.	26183	Strand	
Start	2088	End	2356
Name	OJ990920_18.9C06.C29.o2.tm	Method	TBLASTX:Maize
Start	2100	End	2300
GI	none	Score	186
Exons	2100..2300, 2103..2144, 2111..2275, 2214..2300		

Seq. No.	12370	Seq. ID	OJ990920_18.9C06.C30
Gene No.	26184	Strand	+
Start	558	End	1367
Name	OJ990920_18.9C06.C30.o1.gs	Method	GENSCAN
Start	558	End	1367
GI	none	Score	.61
Exons	558..603, 1176..1367		

Seq. No.	12371	Seq. ID	OJ990920_18.9C06.C31
Gene No.	26185	Strand	+
Start	1588	End	3216
Name	OJ990920_18.9C06.C31.o1.np	Method	AAT/NAP
Start	1588	End	3216
GI	6539588	Score	212
Exons	1588..1872, 3196..3216		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26186	Strand	+
Start	1	End	3146
Name	OJ990920_18.9C06.C32.o1.np	Method	AAT/NAP
Start	1	End	3146
GI	6539553	Score	5413
Exons	1..3146		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597)		

[Oryza sativa]

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o1.tm	Method	TBLASTX:Maize
Start	183	End	505
GI	none	Score	316
Exons	183..503, 190..504, 210..503, 338..505		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o5.ts	Method	TBLASTX:Soybean
Start	532	End	918
GI	none	Score	88
Exons	532..687, 670..918		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o4.tm	Method	TBLASTX:Maize
Start	706	End	1139
GI	none	Score	134
Exons	706..933, 927..1139, 947..1114		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o4.tw	Method	TBLASTX:Wheat
Start	783	End	974
GI	none	Score	81
Exons	783..920, 784..921, 784..921, 922..969, 923..973, 924..974		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o3.ts	Method	TBLASTX:Soybean
Start	927	End	1325
GI	none	Score	193
Exons	927..1151, 944..1105, 1152..1325, 1160..1198		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o2.tc	Method	TBLASTX:Cress
Start	942	End	1349
GI	none	Score	116
Exons	942..1142, 1155..1349		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o1.tw	Method	TBLASTX:Wheat
Start	975	End	1730
GI	none	Score	634
Exons	975..1439, 983..1462, 1483..1713, 1491..1730, 1513..1710,		

1571..1720

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o1.ts	Method	TBLASTX:Soybean
Start	1650	End	2114
GI	5509260	Score	377
Exons	1650..2114, 1868..1963, 2036..2095		
GI Descrip.	-		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o1.tc	Method	TBLASTX:Cress
Start	1743	End	2003
GI	none	Score	286
Exons	1743..2003		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o2.tm	Method	TBLASTX:Maize
Start	1784	End	2249
GI	none	Score	364
Exons	1784..1966, 1785..2249, 1920..2102, 2036..2146		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o3.tw	Method	TBLASTX:Wheat
Start	1785	End	2330
GI	none	Score	319
Exons	1785..2129, 1932..2105, 2124..2330, 2198..2320		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o2.ts	Method	TBLASTX:Soybean
Start	2183	End	2528
GI	none	Score	314
Exons	2183..2383, 2184..2528		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o3.tm	Method	TBLASTX:Maize
Start	2339	End	2678
GI	none	Score	318
Exons	2339..2677, 2340..2678		

Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o2.tw	Method	TBLASTX:Wheat
Start	2534	End	3010
GI	none	Score	101

Exons	2534..2605, 2535..2609, 2623..2931, 2624..3010, 2625..2972, 2626..3009		
Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o4.ts	Method	TBLASTX:Soybean
Start	2541	End	2882
GI	none	Score	91
Exons	2541..2654, 2567..2647, 2673..2882, 2678..2803		
Seq. No.	12372	Seq. ID	OJ990920_18.9C06.C32
Gene No.	26187	Strand	-
Start	3428	End	3891
Name	OJ990920_18.9C06.C32.o2.np	Method	AAT/NAP
Start	3428	End	3891
GI	5042454	Score	190
Exons	3428..3481, 3732..3891		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26188	Strand	+
Start	566	End	3856
Name	OJ990920_18.9C06.C33.o1.gs	Method	GENSCAN
Start	566	End	3856
GI	none	Score	.68
Exons	566..1053, 1080..1135, 1140..1287, 1429..1552, 1717..1826, 1921..2153, 2367..3856		
Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26188	Strand	+
Start	566	End	3856
Name	OJ990920_18.9C06.C33.o1.np	Method	AAT/NAP
Start	566	End	3853
GI	6907089	Score	4997
Exons	566..1826, 1921..3853		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o5.tm	Method	TBLASTX:Maize
Start	4481	End	4627
GI	none	Score	123
Exons	4481..4627, 4488..4622		
Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o2.np	Method	AAT/NAP
Start	4487	End	10135
GI	6498441	Score	6974
Exons	4487..4768, 4862..6259, 6431..6727, 6920..7346, 7521..7655, 7839..8212, 8276..8739, 9070..10135		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o7.tw	Method	TBLASTX:Wheat
Start	4496	End	5098
GI	none	Score	71
Exons	4496..4621, 4500..4622, 4788..5096, 4808..5098, 4815..5093		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o4.tw	Method	TBLASTX:Wheat
Start	5099	End	5480
GI	none	Score	168
Exons	5099..5479, 5130..5378, 5138..5476, 5424..5480		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o3.tm	Method	TBLASTX:Maize
Start	5285	End	5617
GI	none	Score	102
Exons	5285..5497, 5294..5617, 5307..5588		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o8.tw	Method	TBLASTX:Wheat
Start	5810	End	6122
GI	none	Score	67
Exons	5810..6070, 5946..6122		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o2.ts	Method	TBLASTX:Soybean
Start	5870	End	6436
GI	5666795	Score	67
Exons	5870..6070, 6125..6262, 6338..6436		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o5.tw	Method	TBLASTX:Wheat
Start	6125	End	6583
GI	none	Score	88
Exons	6125..6274, 6126..6263, 6308..6559, 6309..6494, 6329..6583		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o1.ts	Method	TBLASTX:Soybean
Start	7184	End	7555
GI	none	Score	267
Exons	7184..7555		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o2.tw	Method	TBLASTX:Wheat
Start	7218	End	7634
GI	none	Score	314
Exons	7218..7634, 7220..7633		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o2.tm	Method	TBLASTX:Maize
Start	7307	End	7691
GI	none	Score	242
Exons	7307..7690, 7326..7691		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o1.tm	Method	TBLASTX:Maize
Start	7718	End	8074
GI	none	Score	125
Exons	7718..8023, 7718..8074, 7728..8039		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o1.tw	Method	TBLASTX:Wheat
Start	7742	End	8204
GI	none	Score	218
Exons	7742..8203, 7748..8203, 7749..8204		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o3.ts	Method	TBLASTX:Soybean
Start	7799	End	8164
GI	none	Score	115
Exons	7799..7933, 7940..8164		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o3.gs	Method	GENSCAN
Start	8213	End	13644
GI	none	Score	.6
Exons	8213..9558, 9689..10714, 10751..10925, 11176..11265, 11365..11437, 11940..12011, 12109..12200, 12334..12379, 12557..12727, 12867..13029, 13332..13456, 13610..13644		

Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o3.tw	Method	TBLASTX:Wheat
Start	8369	End	8855
GI	none	Score	172

Exons	8369..8854, 8400..8660, 8718..8855		
Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o6.tw	Method	TBLASTX:Wheat
Start	9594	End	10146
GI	none	Score	97
Exons	9594..9851, 9628..9867, 9826..9927, 9834..9932, 9939..9986, 10111..10146		
Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o4.tm	Method	TBLASTX:Maize
Start	9696	End	9981
GI	none	Score	91
Exons	9696..9944, 9697..9981		
Seq. No.	12373	Seq. ID	OJ990920_18.9C06.C33
Gene No.	26189	Strand	-
Start	4487	End	14031
Name	OJ990920_18.9C06.C33.o3.np	Method	AAT/NAP
Start	10872	End	14031
GI	5042454	Score	218
Exons	10872..10925, 11176..11351, 13987..14031		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	12374	Seq. ID	OJ990920_18.9C06.C34
Gene No.	26190	Strand	+
Start	1358	End	1935
Name	OJ990920_18.9C06.C34.o1.gs	Method	GENSCAN
Start	1358	End	1935
GI	none	Score	.57
Exons	1358..1473, 1475..1659, 1784..1935		
Seq. No.	12374	Seq. ID	OJ990920_18.9C06.C34
Gene No.	26191	Strand	-
Start	3486	End	3624
Name	OJ990920_18.9C06.C34.o2.gs	Method	GENSCAN
Start	3486	End	3624
GI	none	Score	.4
Exons	3486..3624		
Seq. No.	12375	Seq. ID	OJ990920_18.9C06.C35
Gene No.	26192	Strand	+
Start	304	End	4730
Name	OJ990920_18.9C06.C35.o1.gs	Method	GENSCAN
Start	304	End	2935
GI	none	Score	.8
Exons	304..423, 672..800, 937..1212, 1446..1889, 2228..2935		
Seq. No.	12375	Seq. ID	OJ990920_18.9C06.C35
Gene No.	26192	Strand	+
Start	304	End	4730
Name	OJ990920_18.9C06.C35.o1.gp	Method	AAT/GAP
Start	313	End	785

GI	2428464	Score	594
Exons	313..528, 672..785		

Seq. No.	12375	Seq. ID	OJ990920_18.9C06.C35
Gene No.	26192	Strand	+
Start	304	End	4730
Name	OJ990920_18.9C06.C35.o1.np	Method	AAT/NAP
Start	762	End	4730
GI	3281846	Score	253
Exons	762..800, 937..1048, 1151..1215, 1467..1571, 2735..2844, 4712..4730		
GI Descrip.	(AJ006404) late elongated hypocotyl [Arabidopsis thaliana]		

Seq. No.	12375	Seq. ID	OJ990920_18.9C06.C35
Gene No.	26192	Strand	+
Start	304	End	4730
Name	OJ990920_18.9C06.C35.o1.tc	Method	TBLASTX:Cress
Start	921	End	1215
GI	none	Score	164
Exons	921..1043, 934..1047, 1146..1205, 1150..1215		

Seq. No.	12375	Seq. ID	OJ990920_18.9C06.C35
Gene No.	26192	Strand	+
Start	304	End	4730
Name	OJ990920_18.9C06.C35.o1.tm	Method	TBLASTX:Maize
Start	921	End	1217
GI	none	Score	159
Exons	921..1043, 934..1047, 1146..1217, 1150..1215		

Seq. No.	12375	Seq. ID	OJ990920_18.9C06.C35
Gene No.	26192	Strand	+
Start	304	End	4730
Name	OJ990920_18.9C06.C35.o1.ts	Method	TBLASTX:Soybean
Start	934	End	1221
GI	none	Score	173
Exons	934..1047, 942..1043, 1146..1214, 1150..1221		

Seq. No.	12376	Seq. ID	OJ990920_18.9C06.C37
Gene No.	26193	Strand	+
Start	124	End	4455
Name	OJ990920_18.9C06.C37.o1.gs	Method	GENSCAN
Start	124	End	4455
GI	none	Score	.54
Exons	124..176, 1827..1996, 2047..2216, 2242..2394, 2417..2667, 2727..2864, 4422..4455		

Seq. No.	12376	Seq. ID	OJ990920_18.9C06.C37
Gene No.	26193	Strand	+
Start	124	End	4455
Name	OJ990920_18.9C06.C37.o1.np	Method	AAT/NAP
Start	712	End	1174
GI	6598859	Score	289
Exons	712..1174		
GI Descrip.	(AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12376	Seq. ID	OJ990920_18.9C06.C37
Gene No.	26194	Strand	-

Start	2039	End	2887
Name	OJ990920_18.9C06.C37.o1.tm	Method	TBLASTX:Maize
Start	703	End	935
GI	none	Score	330
Exons	703..933, 707..934, 858..935		

Seq. No.	12376	Seq. ID	OJ990920_18.9C06.C37
Gene No.	26194	Strand	-
Start	2039	End	2887
Name	OJ990920_18.9C06.C37.o1.tw	Method	TBLASTX:Wheat
Start	938	End	1215
GI	none	Score	79
Exons	938..994, 942..1010, 942..989, 943..1011, 983..1183, 990..1193, 994..1194, 997..1215		

Seq. No.	12376	Seq. ID	OJ990920_18.9C06.C37
Gene No.	26194	Strand	-
Start	2039	End	2887
Name	OJ990920_18.9C06.C37.o2.np	Method	AAT/NAP
Start	2039	End	2726
GI	6714420	Score	73
Exons	2039..2358, 2522..2622, 2679..2726		
GI Descrip.	(AC012328) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12376	Seq. ID	OJ990920_18.9C06.C37
Gene No.	26194	Strand	-
Start	2039	End	2887
Name	OJ990920_18.9C06.C37.o2.tm	Method	TBLASTX:Maize
Start	2187	End	2509
GI	none	Score	220
Exons	2187..2357, 2188..2364, 2474..2509, 2474..2509		

Seq. No.	12376	Seq. ID	OJ990920_18.9C06.C37
Gene No.	26194	Strand	-
Start	2039	End	2887
Name	OJ990920_18.9C06.C37.o1.gp	Method	AAT/GAP
Start	2209	End	2887
GI	none	Score	1250
Exons	2209..2887		

Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26195	Strand	+
Start	1176	End	5668
Name	OJ990920_18.9C06.C38.o2.np	Method	AAT/NAP
Start	1176	End	1886
GI	322759	Score	38
Exons	1176..1349, 1756..1886		
GI Descrip.	pistil extensin-like protein (clone pMG14) - common tobacco (fragment) gi|19927|emb|CAA78393| (Z14015) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26195	Strand	+
Start	1176	End	5668
Name	OJ990920_18.9C06.C38.o2.gs	Method	GENSCAN
Start	1558	End	5668
GI	none	Score	.66

Exons	1558..1593, 1756..1886, 1935..2063, 2613..2711, 3058..3433, 3741..3875, 4648..4794, 4895..4995, 5516..5668		
Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26195	Strand	+
Start	1176	End	5668
Name	OJ990920_18.9C06.C38.o2.gp	Method	AAT/GAP
Start	4031	End	4359
GI	3107878	Score	647
Exons	4031..4359		
Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26196	Strand	-
Start	1011	End	1322
Name	OJ990920_18.9C06.C38.o1.gp	Method	AAT/GAP
Start	758	End	1286
GI	666_4:R1084	Score	901
Exons	758..1286		
GI Descrip.	'122106/sp|P02308|H4_WHEAT 1.0e-33 HISTONE H4 >gi_70771_pir__HSZM4 histone H4 - maize >gi_81642_pir__S06904 histone H4 - Arabidopsis thaliana >gi_2119028_pir__S60475 histone H4 - garden pea >gi_21795_emb_CAA24924_ (X00043) histone H4 [Triticum aestivum] >gi_166740 (M17132) histone H4 [Arabidopsis thaliana] >gi_166742 (M17133) histone H4 [Arabidopsis thaliana] >gi_168499 (M36659) histon'		
Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26196	Strand	-
Start	1011	End	1322
Name	OJ990920_18.9C06.C38.o1.gs	Method	GENSCAN
Start	1011	End	1322
GI	none	Score	1
Exons	1011..1322		
Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26196	Strand	-
Start	1011	End	1322
Name	OJ990920_18.9C06.C38.o1.ts	Method	TBLASTX:Soybean
Start	1012	End	1278
GI	none	Score	332
Exons	1012..1278, 1014..1259		
Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26196	Strand	-
Start	1011	End	1322
Name	OJ990920_18.9C06.C38.o1.np	Method	AAT/NAP
Start	1014	End	1322
GI	122106	Score	523
Exons	1014..1322		
GI Descrip.	HISTONE H4 gi|70771|pir||HSZM4 histone H4 - maize gi|81642|pir||S06904 histone H4 - Arabidopsis thaliana gi|2119028|pir||S60475 histone H4 - garden pea gi|21795|emb|CAA24924| (X00043) histone H4 [Triticum aestivum] gi|166740 (M17132) histone H4 [Arabidopsis thaliana] gi|166742 (M17133) histone H4 [Arabidopsis thaliana] gi|168499 (M36659) histone H4 (H4C13) [Zea mays]		

Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26196	Strand	-
Start	1011	End	1322
Name	OJ990920_18.9C06.C38.o1.tw	Method	TBLASTX:Wheat
Start	1014	End	1278
GI	none	Score	399
Exons	1014..1259, 1015..1278		

Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26196	Strand	-
Start	1011	End	1322
Name	OJ990920_18.9C06.C38.o1.tm	Method	TBLASTX:Maize
Start	1014	End	1278
GI	none	Score	423
Exons	1014..1259, 1015..1278		

Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26196	Strand	-
Start	1011	End	1322
Name	OJ990920_18.9C06.C38.o1.tc	Method	TBLASTX:Cress
Start	1014	End	1278
GI	none	Score	290
Exons	1014..1259, 1015..1278		

Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26197	Strand	
Start	1942	End	4986
Name	OJ990920_18.9C06.C38.o2.ts	Method	TBLASTX:Soybean
Start	1942	End	4986
GI	none	Score	68
Exons	1942..1974, 2032..2061, 2607..2711, 2614..2718, 3046..3201, 3059..3202, 3272..3439, 3274..3420, 3311..3421, 3738..3875, 3776..3874, 4522..4596, 4528..4596, 4687..4794, 4690..4800, 4894..4986, 4895..4984		

Seq. No.	12377	Seq. ID	OJ990920_18.9C06.C38
Gene No.	26197	Strand	
Start	1942	End	4986
Name	OJ990920_18.9C06.C38.o2.tm	Method	TBLASTX:Maize
Start	3744	End	4975
GI	none	Score	189
Exons	3744..3875, 3745..3876, 3767..3874, 4505..4585, 4506..4589, 4507..4596, 4686..4790, 4687..4794, 4690..4797, 4691..4798, 4692..4796, 4894..4971, 4895..4975		

Seq. No.	12378	Seq. ID	OJ990920_18.9C06.C39
Gene No.	26198	Strand	+
Start	364	End	1391
Name	OJ990920_18.9C06.C39.o1.gs	Method	GENSCAN
Start	364	End	1285
GI	none	Score	.66
Exons	364..1285		

Seq. No.	12378	Seq. ID	OJ990920_18.9C06.C39
Gene No.	26198	Strand	+
Start	364	End	1391
Name	OJ990920_18.9C06.C39.o1.np	Method	AAT/NAP

Start	817	End	1391
GI	5441880	Score	990
Exons	817..1391		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	12379	Seq. ID	OJ990820_10.9C03.C2
Gene No.	26199	Strand	+
Start	2998	End	4352
Name	OJ990820_10.9C03.C2.o2.np	Method	AAT/NAP
Start	2998	End	4352
GI	4204278	Score	168
Exons	2998..3202, 3338..3585, 4114..4352		
GI Descrip.	(AC004146) putative Cytochrome P450 protein [Arabidopsis thaliana]		

Seq. No.	12379	Seq. ID	OJ990820_10.9C03.C2
Gene No.	26200	Strand	-
Start	751	End	2413
Name	OJ990820_10.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	478	End	795
GI	none	Score	43
Exons	478..576, 527..559, 589..780, 613..795, 677..793		

Seq. No.	12379	Seq. ID	OJ990820_10.9C03.C2
Gene No.	26200	Strand	-
Start	751	End	2413
Name	OJ990820_10.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	619	End	873
GI	none	Score	100
Exons	619..873, 677..871		

Seq. No.	12379	Seq. ID	OJ990820_10.9C03.C2
Gene No.	26200	Strand	-
Start	751	End	2413
Name	OJ990820_10.9C03.C2.o2.gs	Method	GENSCAN
Start	751	End	2413
GI	none	Score	.53
Exons	751..1596, 1654..1768, 2217..2413		

Seq. No.	12379	Seq. ID	OJ990820_10.9C03.C2
Gene No.	26201	Strand	
Start	3128	End	3603
Name	OJ990820_10.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	3128	End	3603
GI	none	Score	85
Exons	3128..3199, 3337..3603, 3338..3574		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26202	Strand	+
Start	1	End	6987
Name	OJ990820_10.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	518
GI	2760837	Score	305
Exons	1..518		
GI Descrip.	(AC003105) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26202	Strand	+
Start	1	End	6987
Name	OJ990820_10.9C03.C3.o1.gs	Method	GENSCAN
Start	156	End	6987
GI	none	Score	.64
Exons	156..380, 1976..2317, 3592..3723, 4867..4982, 6216..6987		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26203	Strand	+
Start	7178	End	7345
Name	OJ990820_10.9C03.C3.o1.gp	Method	AAT/GAP
Start	7178	End	7345
GI	2796959	Score	262
Exons	7178..7345		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26204	Strand	+
Start	17596	End	17863
Name	OJ990820_10.9C03.C3.o3.gp	Method	AAT/GAP
Start	17596	End	17863
GI	none	Score	381
Exons	17596..17863		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26205	Strand	-
Start	7481	End	7642
Name	OJ990820_10.9C03.C3.o2.gp	Method	AAT/GAP
Start	7481	End	7642
GI	10494_1.R1084	Score	192
Exons	7481..7642		
GI Descrip.	'5730046/ref|NM_006632.1|SLC17A3| 1.0e-09 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA >gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26206	Strand	-
Start	8131	End	8838
Name	OJ990820_10.9C03.C3.o2.gs	Method	GENSCAN
Start	8131	End	8838
GI	none	Score	.99
Exons	8131..8838		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26207	Strand	-
Start	10886	End	15476
Name	OJ990820_10.9C03.C3.o3.gs	Method	GENSCAN
Start	10886	End	15476
GI	none	Score	.77
Exons	10886..11603, 11689..11780, 11868..12086, 12465..12669, 12698..12870, 12876..13713, 14876..15002, 15247..15348, 15389..15476		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26207	Strand	-

Start	10886	End	15476
Name	OJ990820_10.9C03.C3.o2.np	Method	AAT/NAP
Start	10901	End	13562
GI	4584542	Score	1004
Exons	10901..11260, 11330..11603, 11689..11780, 11868..12086, 12465..13562		
GI Descrip.	(AL049608) putative protein [Arabidopsis thaliana]		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26208	Strand	-
Start	17911	End	18658
Name	OJ990820_10.9C03.C3.o4.gs	Method	GENSCAN
Start	17911	End	18576
GI	none	Score	.98
Exons	17911..18576		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26208	Strand	-
Start	17911	End	18658
Name	OJ990820_10.9C03.C3.o3.np	Method	AAT/NAP
Start	17944	End	18546
GI	3786008	Score	288
Exons	17944..18135, 18175..18546		
GI Descrip.	(AC005499) unknown protein [Arabidopsis thaliana]		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26208	Strand	-
Start	17911	End	18658
Name	OJ990820_10.9C03.C3.o4.gp	Method	AAT/GAP
Start	18147	End	18658
GI	uC-osflcyp089c04b1	Score	965
Exons	18147..18658		
GI Descrip.	'3786008 9.0e-19 (AC005499) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	50	End	502
GI	none	Score	70
Exons	50..139, 141..497, 146..502		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	153	End	380
GI	none	Score	155
Exons	153..308, 237..311, 303..380, 317..376		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	177	End	494
GI	none	Score	278

Exons	177..494		
Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	183	End	497
GI	none	Score	336
Exons	183..497, 296..481		
Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	6266	End	6717
GI	none	Score	62
Exons	6266..6394, 6268..6402, 6276..6488, 6391..6684, 6393..6668, 6509..6715, 6529..6717		
Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o5.tm	Method	TBLASTX:Maize
Start	6771	End	6959
GI	none	Score	143
Exons	6771..6932, 6776..6943, 6780..6959, 6784..6945		
Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	8341	End	8604
GI	none	Score	274
Exons	8341..8604, 8345..8569		
Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	11855	End	12128
GI	none	Score	116
Exons	11855..12016, 11856..11966, 11865..12041, 11866..12012, 12024..12104, 12032..12046, 12032..12109, 12036..12128		
Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	12724	End	12965
GI	none	Score	154
Exons	12724..12852, 12735..12860, 12739..12861, 12909..12965		
Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o4.tm	Method	TBLASTX:Maize
Start	18241	End	18570

GI	none	Score	63
Exons	18241..18312, 18302..18364, 18304..18366, 18361..18474, 18380..18508, 18535..18570		

Seq. No.	12380	Seq. ID	OJ990820_10.9C03.C3
Gene No.	26209	Strand	-
Start	21954	End	24328
Name	OJ990820_10.9C03.C3.o5.gs	Method	GENSCAN
Start	21954	End	24328
GI	none	Score	.53
Exons	21954..22088, 22470..22614, 24246..24328		

Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26210	Strand	+
Start	580	End	3475
Name	OJ990820_10.9C03.C4.o1.gs	Method	GENSCAN
Start	580	End	3330
GI	none	Score	.41
Exons	580..624, 1254..1533, 2598..2734, 3214..3330		

Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26210	Strand	+
Start	580	End	3475
Name	OJ990820_10.9C03.C4.o1.np	Method	AAT/NAP
Start	1492	End	3330
GI	6753862	Score	257
Exons	1492..1596, 2591..2734, 3024..3120, 3227..3330		
GI Descrip.	fragile histidine triad gene gi|6015152|sp|O89106|FHIT_MOUSE BIS(5'-ADENOSYL)-TRIPHOSPHATASE (DIADENOSINE 5',5'''-P1,P3-TRIPHOSPHATE HYDROLASE) (DINUCLEOSIDETRIPHOSPHATASE) (AP3A HYDROLASE) (AP3AASE) (FRAGILE HISTIDINE TRIAD PROTEIN) gi|3249577 (AF055573) fragile histidine triad protein [Mus musculus] gi|3264590 (AF047699) fragile histidine triad protein [Mus musculus		

Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26210	Strand	+
Start	580	End	3475
Name	OJ990820_10.9C03.C4.o2.gp	Method	AAT/GAP
Start	2599	End	3475
GI	75776_1.R1084	Score	885
Exons	2599..2734, 3024..3122, 3214..3475		
GI Descrip.	'4503719/ref|NP_002003.1|pFHIT| 1.0e-23 fragile histidine triad gene >gi_1706794_sp_P49789_FHIT_HUMAN BIS(5''-ADENOSYL)-TRIPHOSPHATASE (DIADENOSINE 5'',5''''''-P1,P3-TRIPHOSPHATE HYDROLASE) (DINUCLEOSIDETRIPHOSPHATASE) (AP3A HYDROLASE) (AP3AASE) (FRAGILE HISTIDINE TRIAD PROTEIN) >gi_3114520_pdb_4FIT_ Fhit-Apo >gi_3114524_pdb_6FIT_ Fhit-Transition State Analog >gi_3318895_pdb_1FHI_ Subst'		

Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26211	Strand	+
Start	8182	End	9624
Name	OJ990820_10.9C03.C4.o2.np	Method	AAT/NAP
Start	8182	End	9621
GI	4503719	Score	229

Exons	8182..8283, 8934..9080, 9339..9425, 9513..9621		
GI Descrip.	fragile histidine triad gene gi|1706794|sp|P49789|FHIT_HUMAN BIS(5'-ADENOSYL)-TRIPHOSPHATASE (DIADENOSINE 5',5'''-P1,P3-TRIPHOSPHATE HYDROLASE) (DINUCLEOSIDETRIPHOSPHATASE) (AP3A HYDROLASE) (AP3AASE) (FRAGILE HISTIDINE TRIAD PROTEIN) gi|3114520|pdb|4FIT| Fhit-Apo gi|3114524|pdb|6FIT| Fhit-Transition State Analog gi|3318895|pdb|1FHI| Substrate Analog (Ib2) Complex W		
Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26211	Strand	+
Start	8182	End	9624
Name	OJ990820_10.9C03.C4.o3.gs	Method	GENSCAN
Start	8663	End	9624
GI	none	Score	.94
Exons	8663..8713, 8955..9080, 9339..9437, 9520..9624		
Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26212	Strand	-
Start	4403	End	8255
Name	OJ990820_10.9C03.C4.o2.gs	Method	GENSCAN
Start	4403	End	8255
GI	none	Score	.64
Exons	4403..4625, 4720..5053, 5298..5811, 7214..7504, 8058..8255		
Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26213	Strand	-
Start	11409	End	11914
Name	OJ990820_10.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	1452	End	9633
GI	none	Score	154
Exons	1452..1568, 1453..1569, 1486..1611, 1500..1571, 2588..2734, 2590..2736, 2590..2730, 3011..3121, 3018..3125, 3022..3129, 3023..3121, 3212..3319, 3212..3322, 3213..3320, 3214..3330, 3214..3360, 8172..8279, 8173..8283, 8934..9080, 8934..9050, 8936..9076, 9330..9440, 9336..9422, 9532..9624, 9535..9633		
Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26213	Strand	-
Start	11409	End	11914
Name	OJ990820_10.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	1459	End	9609
GI	none	Score	68
Exons	1459..1569, 2588..2734, 2590..2730, 2606..2743, 3018..3119, 3023..3121, 3203..3328, 3223..3315, 8188..8268, 8934..9080, 8936..9076, 9336..9425, 9336..9425, 9532..9609		
Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26213	Strand	-
Start	11409	End	11914
Name	OJ990820_10.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	1492	End	9618
GI	none	Score	111
Exons	1492..1569, 1492..1617, 2588..2734, 2590..2730, 2615..2743, 3018..3125, 3023..3121, 3214..3324, 3226..3324, 8182..8283, 8187..8282, 8927..9070, 8934..9080, 8936..9076, 9336..9422, 9535..9618		

Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26213	Strand	-
Start	11409	End	11914
Name	OJ990820_10.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	5723	End	7433
GI	none	Score	85
Exons	5723..5824, 5752..5829, 7164..7262, 7204..7263, 7211..7405, 7212..7403, 7368..7412, 7369..7413, 7398..7433		

Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26213	Strand	-
Start	11409	End	11914
Name	OJ990820_10.9C03.C4.o3.np	Method	AAT/NAP
Start	10902	End	11914
GI	5734635	Score	555
Exons	10902..11630, 11817..11914		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	12381	Seq. ID	OJ990820_10.9C03.C4
Gene No.	26213	Strand	-
Start	11409	End	11914
Name	OJ990820_10.9C03.C4.o4.gs	Method	GENSCAN
Start	11409	End	11630
GI	none	Score	.6
Exons	11409..11630		

Seq. No.	12382	Seq. ID	OJ990820_10.9C03.C5
Gene No.	26214	Strand	+
Start	80	End	616
Name	OJ990820_10.9C03.C5.o1.gs	Method	GENSCAN
Start	80	End	616
GI	none	Score	.95
Exons	80..151, 522..616		

Seq. No.	12382	Seq. ID	OJ990820_10.9C03.C5
Gene No.	26215	Strand	+
Start	698	End	1172
Name	OJ990820_10.9C03.C5.o1.gp	Method	AAT/GAP
Start	698	End	1172
GI	38782_1.R1084	Score	814
Exons	698..1172		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	12382	Seq. ID	OJ990820_10.9C03.C5
Gene No.	26216	Strand	+
Start	1680	End	4698
Name	OJ990820_10.9C03.C5.o2.np	Method	AAT/NAP
Start	1680	End	4698
GI	5777623	Score	183
Exons	1680..1705, 2810..2898, 4481..4698		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	12382	Seq. ID	OJ990820_10.9C03.C5
Gene No.	26216	Strand	+
Start	1680	End	4698

Name	OJ990820_10.9C03.C5.o1.np	Method	AAT/NAP
Start	2574	End	4226
GI	6907086	Score	1098
Exons	2574..3339, 3403..3637, 3857..4226		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12382	Seq. ID	OJ990820_10.9C03.C5
Gene No.	26216	Strand	+
Start	1680	End	4698
Name	OJ990820_10.9C03.C5.o3.gs	Method	GENSCAN
Start	2755	End	3345
GI	none	Score	1
Exons	2755..3345		

Seq. No.	12382	Seq. ID	OJ990820_10.9C03.C5
Gene No.	26217	Strand	-
Start	964	End	1557
Name	OJ990820_10.9C03.C5.o2.gs	Method	GENSCAN
Start	964	End	1557
GI	none	Score	.82
Exons	964..1037, 1416..1439, 1503..1557		

Seq. No.	12382	Seq. ID	OJ990820_10.9C03.C5
Gene No.	26218	Strand	-
Start	3594	End	5003
Name	OJ990820_10.9C03.C5.o3.np	Method	AAT/NAP
Start	3594	End	5003
GI	4680186	Score	184
Exons	3594..3709, 4851..5003		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26219	Strand	-
Start	59	End	4650
Name	OJ990820_10.9C03.C6.o1.np	Method	AAT/NAP
Start	59	End	4650
GI	4680179	Score	4526
Exons	59..3476, 3579..4650		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26220	Strand	-
Start	5126	End	5907
Name	OJ990820_10.9C03.C6.o2.np	Method	AAT/NAP
Start	5126	End	5907
GI	6002794	Score	1201
Exons	5126..5907		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o5.tw	Method	TBLASTX:Wheat
Start	103	End	436
GI	none	Score	174
Exons	103..435, 124..429, 155..436		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o9.tm	Method	TBLASTX:Maize
Start	118	End	278
GI	none	Score	93
Exons	118..276, 121..276, 126..278		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	286	End	883
GI	none	Score	142
Exons	286..723, 295..723, 456..743, 721..879, 728..883, 731..883		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	436	End	1062
GI	none	Score	61
Exons	436..1062, 437..505, 563..1006		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o4.tm	Method	TBLASTX:Maize
Start	1003	End	1422
GI	none	Score	169
Exons	1003..1422, 1025..1309, 1120..1383		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	1021	End	1276
GI	none	Score	170
Exons	1021..1269, 1022..1276		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	1045	End	1362
GI	none	Score	93
Exons	1045..1188, 1061..1186, 1189..1341, 1189..1362		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	1069	End	1548
GI	none	Score	269
Exons	1069..1548, 1082..1441		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6

Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	1549	End	2062
GI	none	Score	278
Exons	1549..2061, 1637..2062		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	1636	End	1992
GI	none	Score	232
Exons	1636..1989, 1637..1987, 1639..1992		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	1810	End	2055
GI	none	Score	208
Exons	1810..2055		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o5.tm	Method	TBLASTX:Maize
Start	1996	End	2343
GI	none	Score	81
Exons	1996..2343, 1997..2311		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o6.tw	Method	TBLASTX:Wheat
Start	2068	End	2364
GI	none	Score	61
Exons	2068..2364, 2088..2243, 2105..2320, 2107..2364		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	2077	End	2472
GI	none	Score	145
Exons	2077..2436, 2105..2320, 2128..2436, 2360..2455, 2440..2472, 2440..2472		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	2359	End	2826
GI	none	Score	93
Exons	2359..2826, 2578..2754		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6

Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o4.tw	Method	TBLASTX:Wheat
Start	2413	End	2896
GI	none	Score	171
Exons	2413..2895, 2422..2868, 2447..2896		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o8.tm	Method	TBLASTX:Maize
Start	2827	End	3024
GI	none	Score	154
Exons	2827..3024, 2828..2974		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o7.tw	Method	TBLASTX:Wheat
Start	3037	End	3441
GI	none	Score	88
Exons	3037..3207, 3065..3211, 3220..3441, 3287..3397, 3388..3441		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o7.tm	Method	TBLASTX:Maize
Start	3122	End	3448
GI	none	Score	44
Exons	3122..3205, 3124..3447, 3307..3444, 3335..3448		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o6.tm	Method	TBLASTX:Maize
Start	3757	End	4158
GI	none	Score	226
Exons	3757..4158		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o8.tw	Method	TBLASTX:Wheat
Start	4039	End	4416
GI	none	Score	261
Exons	4039..4416		

Seq. No.	12383	Seq. ID	OJ990820_10.9C03.C6
Gene No.	26221	Strand	-
Start	6202	End	6627
Name	OJ990820_10.9C03.C6.o1.gp	Method	AAT/GAP
Start	6202	End	6627
GI	38782_1.R1084	Score	705
Exons	6202..6627		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	12384	Seq. ID	OJ990820_10.9C03.C8
Gene No.	26222	Strand	-
Start	6283	End	6562
Name	OJ990820_10.9C03.C8.o2.np	Method	AAT/NAP
Start	6283	End	6562
GI	6539588	Score	242
Exons	6283..6562		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	12384	Seq. ID	OJ990820_10.9C03.C8
Gene No.	26223	Strand	-
Start	10785	End	12383
Name	OJ990820_10.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	1918	End	3198
GI	none	Score	237
Exons	1918..1977, 3003..3197, 3013..3198		

Seq. No.	12384	Seq. ID	OJ990820_10.9C03.C8
Gene No.	26223	Strand	-
Start	10785	End	12383
Name	OJ990820_10.9C03.C8.o3.np	Method	AAT/NAP
Start	10785	End	12383
GI	5091523	Score	71
Exons	10785..11103, 12304..12383		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26224	Strand	+
Start	236	End	1121
Name	OJ990820_10.9C03.C9.o1.gs	Method	GENSCAN
Start	236	End	1121
GI	none	Score	.94
Exons	236..294, 906..1121		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	6630
GI	3805765	Score	584
Exons	1..68, 5015..5356, 5525..5648, 5765..5901, 6575..6630		
GI Descrip.	(AC005693) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o1.gp	Method	AAT/GAP
Start	1611	End	2296
GI	none	Score	1345
Exons	1611..2296		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o2.gp	Method	AAT/GAP
Start	4595	End	5908

GI	18282_1.R1084	Score	1837
Exons	4595..5356, 5525..5648, 5765..5908		
GI Descrip.	'3805765 1.0e-123 (AC005693) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	4854	End	5277
GI	none	Score	50
Exons	4854..4898, 4877..4945, 4882..4968, 4884..4967, 4888..4974, 4965..5039, 4966..5013, 5001..5270, 5019..5276, 5047..5277		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o2.tc	Method	TBLASTX:Cress
Start	5013	End	5244
GI	none	Score	75
Exons	5013..5237, 5040..5240, 5068..5244		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	5031	End	5654
GI	none	Score	309
Exons	5031..5357, 5059..5358, 5523..5654, 5524..5649		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	5191	End	5887
GI	none	Score	124
Exons	5191..5358, 5191..5349, 5193..5357, 5517..5648, 5523..5657, 5524..5658, 5765..5887, 5769..5882		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	5272	End	5912
GI	none	Score	86
Exons	5272..5358, 5274..5357, 5523..5657, 5524..5649, 5768..5890, 5769..5912, 5772..5906		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	5278	End	5912
GI	none	Score	100
Exons	5278..5358, 5280..5357, 5511..5648, 5523..5657, 5524..5649, 5763..5912, 5765..5899		

Seq. No.	12385	Seq. ID	OJ990820_10.9C03.C9
Gene No.	26225	Strand	-
Start	1	End	6630
Name	OJ990820_10.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	5763	End	5912
GI	none	Score	146
Exons	5763..5912, 5765..5890, 5767..5907		

Seq. No.	12386	Seq. ID	OJ990820_10.9C03.C10
Gene No.	26226	Strand	-
Start	1	End	2243
Name	OJ990820_10.9C03.C10.o1.gp	Method	AAT/GAP
Start	1	End	1044
GI	18282_1.R1084	Score	622
Exons	1..25, 708..1044		
GI Descrip.	'3805765 1.0e-123 (AC005693) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	12386	Seq. ID	OJ990820_10.9C03.C10
Gene No.	26226	Strand	-
Start	1	End	2243
Name	OJ990820_10.9C03.C10.o1.np	Method	AAT/NAP
Start	1	End	1062
GI	3805765	Score	182
Exons	1..30, 704..1062		
GI Descrip.	(AC005693) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12386	Seq. ID	OJ990820_10.9C03.C10
Gene No.	26226	Strand	-
Start	1	End	2243
Name	OJ990820_10.9C03.C10.o1.gs	Method	GENSCAN
Start	486	End	2243
GI	none	Score	.49
Exons	486..1042, 2189..2243		

Seq. No.	12386	Seq. ID	OJ990820_10.9C03.C10
Gene No.	26227	Strand	-
Start	2804	End	2880
Name	OJ990820_10.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	693	End	2246
GI	none	Score	105
Exons	693..932, 708..974, 2202..2246		

Seq. No.	12386	Seq. ID	OJ990820_10.9C03.C10
Gene No.	26227	Strand	-
Start	2804	End	2880
Name	OJ990820_10.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	708	End	2243
GI	none	Score	50
Exons	708..779, 780..995, 794..886, 946..990, 2190..2243		

Seq. No.	12386	Seq. ID	OJ990820_10.9C03.C10
Gene No.	26227	Strand	-
Start	2804	End	2880
Name	OJ990820_10.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	708	End	2258
GI	none	Score	405

Exons	708..1043, 708..1043, 710..1051, 2190..2258, 2194..2244		
Seq. No.	12386	Seq. ID	OJ990820_10.9C03.C10
Gene No.	26227	Strand	-
Start	2804	End	2880
Name	OJ990820_10.9C03.C10.o2.gp	Method	AAT/GAP
Start	2804	End	2880
GI	5038813	Score	112
Exons	2804..2880		
Seq. No.	12387	Seq. ID	OJ990820_10.9C03.C11
Gene No.	26228	Strand	+
Start	2741	End	7783
Name	OJ990820_10.9C03.C11.o1.gs	Method	GENSCAN
Start	2741	End	7783
GI	none	Score	.63
Exons	2741..2856, 4534..4707, 4958..5108, 5499..5638, 7193..7333, 7395..7481, 7537..7783		
Seq. No.	12387	Seq. ID	OJ990820_10.9C03.C11
Gene No.	26229	Strand	+
Start	7970	End	8359
Name	OJ990820_10.9C03.C11.o1.gp	Method	AAT/GAP
Start	7970	End	8359
GI	13238_1.R1084	Score	634
Exons	7970..8359		
GI Descrip.	'3786005 6.0e-42 (AC005499) putative phosphoethanolamine cytidylyltransferase [Arabidopsis thaliana]'		
Seq. No.	12388	Seq. ID	OJ990820_10.9C03.C12
Gene No.	26230	Strand	+
Start	752	End	1177
Name	OJ990820_10.9C03.C12.o1.gs	Method	GENSCAN
Start	752	End	1177
GI	none	Score	.7
Exons	752..822, 891..1177		
Seq. No.	12388	Seq. ID	OJ990820_10.9C03.C12
Gene No.	26231	Strand	-
Start	1	End	2339
Name	OJ990820_10.9C03.C12.o1.gp	Method	AAT/GAP
Start	1	End	2339
GI	18282_1.R1084	Score	558
Exons	1..30, 1804..2118, 2303..2339		
GI Descrip.	'3805765 1.0e-123 (AC005693) putative protein kinase [Arabidopsis thaliana]'		
Seq. No.	12388	Seq. ID	OJ990820_10.9C03.C12
Gene No.	26231	Strand	-
Start	1	End	2339
Name	OJ990820_10.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	2182
GI	3805765	Score	155
Exons	1..38, 1805..2182		
GI Descrip.	(AC005693) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	12388	Seq. ID	OJ990820_10.9C03.C12

Gene No.	26231	Strand	-
Start	1	End	2339
Name	OJ990820_10.9C03.C12.o2.gs	Method	GENSCAN
Start	1520	End	2043
GI	none	Score	.73
Exons	1520..1777, 1819..2043		

Seq. No.	12388	Seq. ID	OJ990820_10.9C03.C12
Gene No.	26232	Strand	-
Start	3180	End	3461
Name	OJ990820_10.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	1818	End	2016
GI	none	Score	116
Exons	1818..1985, 1819..2016, 1820..1912, 1949..2014		

Seq. No.	12388	Seq. ID	OJ990820_10.9C03.C12
Gene No.	26232	Strand	-
Start	3180	End	3461
Name	OJ990820_10.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	1819	End	2106
GI	none	Score	73
Exons	1819..1890, 1820..1891, 1891..2013, 1905..1997, 1955..2014, 2065..2106		

Seq. No.	12388	Seq. ID	OJ990820_10.9C03.C12
Gene No.	26232	Strand	-
Start	3180	End	3461
Name	OJ990820_10.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	1819	End	2339
GI	none	Score	243
Exons	1819..2016, 1819..2013, 2020..2061, 2020..2061, 2064..2126, 2065..2121, 2298..2339		

Seq. No.	12388	Seq. ID	OJ990820_10.9C03.C12
Gene No.	26232	Strand	-
Start	3180	End	3461
Name	OJ990820_10.9C03.C12.o2.gp	Method	AAT/GAP
Start	3180	End	3461
GI	2309874	Score	532
Exons	3180..3461		

Seq. No.	12389	Seq. ID	OJ990820_10.9C03.C13
Gene No.	26233	Strand	+
Start	2554	End	4903
Name	OJ990820_10.9C03.C13.o1.np	Method	AAT/NAP
Start	2554	End	4903
GI	3645898	Score	542
Exons	2554..2770, 3649..4727, 4796..4903		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	12389	Seq. ID	OJ990820_10.9C03.C13
Gene No.	26233	Strand	+
Start	2554	End	4903
Name	OJ990820_10.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	3873	End	4277
GI	none	Score	241

Exons	3873..4277, 3912..4136, 3926..4162		
Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26234	Strand	+
Start	584	End	6670
Name	OJ990820_10.9C03.C14.o1.gs	Method	GENSCAN
Start	584	End	6670
GI	none	Score	.5
Exons	584..604, 657..812, 900..1056, 1522..1901, 2072..2249, 2342..2516, 2621..2800, 2921..4104, 5054..5173, 5251..5638, 5926..6670		
Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26234	Strand	+
Start	584	End	6670
Name	OJ990820_10.9C03.C14.o1.np	Method	AAT/NAP
Start	894	End	4139
GI	3645899	Score	3883
Exons	894..2301, 2342..4139		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		
Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o10.tm	Method	TBLASTX:Maize
Start	795	End	1144
GI	none	Score	79
Exons	795..848, 798..848, 830..925, 848..979, 858..1082, 864..1073, 1007..1144		
Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o5.tm	Method	TBLASTX:Maize
Start	1146	End	1541
GI	none	Score	100
Exons	1146..1265, 1148..1240, 1263..1541, 1263..1487, 1271..1540		
Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o2.tw	Method	TBLASTX:Wheat
Start	1305	End	1877
GI	none	Score	260
Exons	1305..1553, 1307..1534, 1565..1591, 1566..1589, 1589..1876, 1593..1877		
Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o2.tm	Method	TBLASTX:Maize
Start	1541	End	2233
GI	none	Score	106
Exons	1541..1615, 1542..1613, 1613..2044, 1614..2051, 2056..2190, 2060..2203, 2066..2233		
Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14

Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o5.ts	Method	TBLASTX:Soybean
Start	1722	End	2182
GI	none	Score	221
Exons	1722..2033, 1742..1927, 1958..2026, 2069..2182		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o4.tw	Method	TBLASTX:Wheat
Start	1965	End	2203
GI	none	Score	118
Exons	1965..2054, 2056..2190, 2060..2203, 2066..2203		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o6.tm	Method	TBLASTX:Maize
Start	2466	End	2771
GI	none	Score	423
Exons	2466..2771, 2478..2768, 2507..2770		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	2500	End	3112
GI	5509260	Score	237
Exons	2500..2553, 2505..2723, 2505..2735, 2729..3112, 2730..3110, 2801..3112		
GI Descrip.	-		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o3.tw	Method	TBLASTX:Wheat
Start	2646	End	3098
GI	none	Score	89
Exons	2646..2720, 2721..2750, 2749..3084, 2757..3098, 2789..3085		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o2.tc	Method	TBLASTX:Cress
Start	2712	End	2993
GI	none	Score	194
Exons	2712..2993, 2792..2974		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o3.tm	Method	TBLASTX:Maize
Start	2772	End	3240
GI	none	Score	643
Exons	2772..3239, 2776..3240, 2776..3114, 2789..3238		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o8.tm	Method	TBLASTX:Maize
Start	3261	End	3464
GI	none	Score	242
Exons	3261..3464, 3281..3463		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	3465	End	4142
GI	none	Score	997
Exons	3465..4136, 3472..3921, 3473..4129, 3846..4142		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o2.ts	Method	TBLASTX:Soybean
Start	3483	End	4112
GI	none	Score	294
Exons	3483..3881, 3692..3871, 3891..4112, 3906..4001		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o6.tw	Method	TBLASTX:Wheat
Start	3621	End	4076
GI	none	Score	121
Exons	3621..3878, 3900..4076, 3956..4075		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o1.tc	Method	TBLASTX:Cress
Start	3663	End	4103
GI	none	Score	68
Exons	3663..3752, 3756..3890, 3902..4069, 3909..4103		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o2.np	Method	AAT/NAP
Start	9851	End	13906
GI	4206306	Score	1029
Exons	9851..9894, 10936..11418, 11537..13906		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o7.ts	Method	TBLASTX:Soybean
Start	10942	End	11280
GI	none	Score	193
Exons	10942..11280		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o6.ts	Method	TBLASTX:Soybean
Start	11702	End	12055
GI	none	Score	137
Exons	11702..11914, 11921..12055		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	11852	End	12256
GI	none	Score	85
Exons	11852..11908, 11857..11898, 11903..12256, 11911..12213, 11912..12250		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o7.tm	Method	TBLASTX:Maize
Start	11906	End	12124
GI	none	Score	274
Exons	11906..12124, 11906..12106, 11911..12123		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o4.tm	Method	TBLASTX:Maize
Start	12125	End	12586
GI	none	Score	502
Exons	12125..12586, 12125..12388, 12271..12585		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o7.tw	Method	TBLASTX:Wheat
Start	12257	End	12655
GI	none	Score	187
Exons	12257..12592, 12274..12426, 12554..12655		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o4.ts	Method	TBLASTX:Soybean
Start	12272	End	12742
GI	none	Score	203
Exons	12272..12553, 12308..12406, 12310..12558, 12554..12742, 12598..12729		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o3.ts	Method	TBLASTX:Soybean
Start	12893	End	13305
GI	none	Score	158
Exons	12893..13030, 12895..13044, 13051..13305, 13052..13303		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o5.tw	Method	TBLASTX:Wheat
Start	12938	End	13336
GI	none	Score	77
Exons	12938..13027, 13067..13336		

Seq. No.	12390	Seq. ID	OJ990820_10.9C03.C14
Gene No.	26235	Strand	+
Start	9851	End	13906
Name	OJ990820_10.9C03.C14.o9.tm	Method	TBLASTX:Maize
Start	13523	End	13906
GI	none	Score	216
Exons	13523..13906		

Seq. No.	12391	Seq. ID	OJ990820_10.9C03.C15
Gene No.	26236	Strand	+
Start	76	End	936
Name	OJ990820_10.9C03.C15.o1.gs	Method	GENSCAN
Start	76	End	936
GI	none	Score	.77
Exons	76..320, 413..584, 790..936		

Seq. No.	12391	Seq. ID	OJ990820_10.9C03.C15
Gene No.	26237	Strand	-
Start	15	End	449
Name	OJ990820_10.9C03.C15.o1.np	Method	AAT/NAP
Start	15	End	449
GI	4680185	Score	442
Exons	15..449		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12392	Seq. ID	OJ990820_10.9C03.C16
Gene No.	26238	Strand	+
Start	2411	End	2792
Name	OJ990820_10.9C03.C16.o1.gp	Method	AAT/GAP
Start	2411	End	2792
GI	uC-osflcyp033a04b1	Score	671
Exons	2411..2792		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12392	Seq. ID	OJ990820_10.9C03.C16
Gene No.	26239	Strand	-
Start	171	End	4307
Name	OJ990820_10.9C03.C16.o1.gs	Method	GENSCAN
Start	171	End	3822
GI	none	Score	.66
Exons	171..537, 1235..1389, 1413..1548, 2641..2694, 3815..3822		

Seq. No.	12392	Seq. ID	OJ990820_10.9C03.C16
Gene No.	26239	Strand	-
Start	171	End	4307
Name	OJ990820_10.9C03.C16.o2.np	Method	AAT/NAP
Start	2344	End	4307

GI	4680186	Score	383
Exons	2344..2544, 3346..3400, 3869..4307		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12393	Seq. ID	OJ990830_12.9C03.C1
Gene No.	26240	Strand	+
Start	5354	End	8337
Name	OJ990830_12.9C03.C1.o1.np	Method	AAT/NAP
Start	5354	End	8337
GI	1871192	Score	1013
Exons	5354..5385, 6496..8337		
GI Descrip.	(U90439) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	12393	Seq. ID	OJ990830_12.9C03.C1
Gene No.	26241	Strand	-
Start	10800	End	15085
Name	OJ990830_12.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	3857	End	7323
GI	none	Score	289
Exons	3857..3955, 6957..7133, 6958..7143, 7152..7322, 7153..7323		

Seq. No.	12393	Seq. ID	OJ990830_12.9C03.C1
Gene No.	26241	Strand	-
Start	10800	End	15085
Name	OJ990830_12.9C03.C1.o2.tm	Method	TBLASTX:Maize
Start	6502	End	6801
GI	none	Score	339
Exons	6502..6801, 6573..6755		

Seq. No.	12393	Seq. ID	OJ990830_12.9C03.C1
Gene No.	26241	Strand	-
Start	10800	End	15085
Name	OJ990830_12.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	6925	End	7338
GI	none	Score	615
Exons	6925..7338, 6930..7304		

Seq. No.	12393	Seq. ID	OJ990830_12.9C03.C1
Gene No.	26241	Strand	-
Start	10800	End	15085
Name	OJ990830_12.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	6930	End	8343
GI	none	Score	372
Exons	6930..7148, 6931..7149, 7153..7341, 7153..7224, 7155..7340, 7492..7527, 7534..7596, 7840..7902, 7893..7931, 7923..7967, 7933..8094, 8013..8105, 8119..8181, 8130..8189, 8281..8343		

Seq. No.	12393	Seq. ID	OJ990830_12.9C03.C1
Gene No.	26241	Strand	-
Start	10800	End	15085
Name	OJ990830_12.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	6931	End	7341
GI	none	Score	346
Exons	6931..7149, 6933..7145, 7153..7341, 7158..7337		

Seq. No.	12393	Seq. ID	OJ990830_12.9C03.C1

Gene No.	26241	Strand	-
Start	10800	End	15085
Name	OJ990830_12.9C03.C1.o3.tm	Method	TBLASTX:Maize
Start	7821	End	8325
GI	none	Score	37
Exons	7821..7880, 7866..7895, 7866..7937, 7867..7932, 7896..7967, 7897..7980, 7926..8111, 7972..8112, 8119..8220, 8121..8219, 8269..8325		

Seq. No.	12393	Seq. ID	OJ990830_12.9C03.C1
Gene No.	26241	Strand	-
Start	10800	End	15085
Name	OJ990830_12.9C03.C1.o2.gs	Method	GENSCAN
Start	10800	End	15085
GI	none	Score	.7
Exons	10800..10876, 12093..12178, 14745..15085		

Seq. No.	12394	Seq. ID	OJ990830_12.9C03.C2
Gene No.	26242	Strand	+
Start	1308	End	1474
Name	OJ990830_12.9C03.C2.o1.gp	Method	AAT/GAP
Start	1308	End	1474
GI	2797024	Score	327
Exons	1308..1474		

Seq. No.	12394	Seq. ID	OJ990830_12.9C03.C2
Gene No.	26243	Strand	-
Start	7	End	4614
Name	OJ990830_12.9C03.C2.o1.gs	Method	GENSCAN
Start	7	End	4416
GI	none	Score	.86
Exons	7..295, 1688..1754, 1862..1991, 2063..2108, 2207..2342, 2451..2572, 2650..3012, 3621..3750, 3836..3909, 4010..4042, 4327..4416		

Seq. No.	12394	Seq. ID	OJ990830_12.9C03.C2
Gene No.	26243	Strand	-
Start	7	End	4614
Name	OJ990830_12.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	2072	End	3910
GI	none	Score	43
Exons	2072..2110, 2085..2117, 2087..2113, 2206..2343, 2207..2344, 2209..2343, 2439..2576, 2446..2487, 2450..2575, 2650..2946, 2650..3012, 2654..3010, 2823..3011, 3615..3755, 3618..3743, 3796..3909, 3836..3910		

Seq. No.	12394	Seq. ID	OJ990830_12.9C03.C2
Gene No.	26243	Strand	-
Start	7	End	4614
Name	OJ990830_12.9C03.C2.o1.np	Method	AAT/NAP
Start	2165	End	4614
GI	6598818	Score	800
Exons	2165..2342, 2451..2572, 2650..3012, 3621..3750, 3836..3895, 4571..4614		
GI Descrip.	(U90439) putative guanylate kinase [Arabidopsis thaliana]		

Seq. No.	12394	Seq. ID	OJ990830_12.9C03.C2

Gene No.	26243	Strand	-
Start	7	End	4614
Name	OJ990830_12.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	2207	End	2794
GI	none	Score	57
Exons	2207..2344, 2283..2342, 2439..2576, 2450..2575, 2458..2580, 2650..2793, 2654..2794		

Seq. No.	12394	Seq. ID	OJ990830_12.9C03.C2
Gene No.	26243	Strand	-
Start	7	End	4614
Name	OJ990830_12.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	2797	End	3680
GI	none	Score	233
Exons	2797..3012, 2798..3010, 3618..3680		

Seq. No.	12395	Seq. ID	OJ990830_12.9C03.C3
Gene No.	26244	Strand	-
Start	95	End	1419
Name	OJ990830_12.9C03.C3.o1.gs	Method	GENSCAN
Start	95	End	1419
GI	none	Score	.81
Exons	95..205, 516..606, 1307..1419		

Seq. No.	12396	Seq. ID	OJ990830_12.9C03.C4
Gene No.	26245	Strand	+
Start	4128	End	4758
Name	OJ990830_12.9C03.C4.o1.np	Method	AAT/NAP
Start	4128	End	4758
GI	5091513	Score	191
Exons	4128..4758		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12396	Seq. ID	OJ990830_12.9C03.C4
Gene No.	26246	Strand	-
Start	2425	End	2502
Name	OJ990830_12.9C03.C4.o1.gp	Method	AAT/GAP
Start	2425	End	2502
GI	LIB3477-003-P1-K1-E9	Score	90
Exons	2425..2502		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	12397	Seq. ID	OJ990830_12.9C03.C5
Gene No.	26247	Strand	+
Start	801	End	1751
Name	OJ990830_12.9C03.C5.o1.gs	Method	GENSCAN
Start	801	End	1751
GI	none	Score	.55
Exons	801..942, 1270..1419, 1621..1751		

Seq. No.	12397	Seq. ID	OJ990830_12.9C03.C5
Gene No.	26248	Strand	+
Start	2078	End	4153
Name	OJ990830_12.9C03.C5.o1.gp	Method	AAT/GAP
Start	1992	End	2807

GI	none	Score	952
Exons	1992..2158, 2286..2393, 2514..2807		

Seq. No.	12397	Seq. ID	OJ990830_12.9C03.C5
Gene No.	26248	Strand	+
Start	2078	End	4153
Name	OJ990830_12.9C03.C5.o2.gs	Method	GENSCAN
Start	2078	End	4153
GI	none	Score	.79
Exons	2078..2158, 2286..2393, 4106..4153		

Seq. No.	12397	Seq. ID	OJ990830_12.9C03.C5
Gene No.	26249	Strand	+
Start	5339	End	6005
Name	OJ990830_12.9C03.C5.o2.gp	Method	AAT/GAP
Start	5260	End	6005
GI	none	Score	797
Exons	5260..5419, 5539..5643, 5767..6005		

Seq. No.	12397	Seq. ID	OJ990830_12.9C03.C5
Gene No.	26249	Strand	+
Start	5339	End	6005
Name	OJ990830_12.9C03.C5.o3.gs	Method	GENSCAN
Start	5339	End	5876
GI	none	Score	.69
Exons	5339..5419, 5539..5611, 5767..5876		

Seq. No.	12398	Seq. ID	OJ990830_12.9C03.C6
Gene No.	26250	Strand	+
Start	1310	End	4015
Name	OJ990830_12.9C03.C6.o1.np	Method	AAT/NAP
Start	1310	End	4015
GI	6630448	Score	87
Exons	1310..1336, 2398..2908, 3993..4015		
GI Descrip.	(AC007190) F23N19.5 [Arabidopsis thaliana]		

Seq. No.	12398	Seq. ID	OJ990830_12.9C03.C6
Gene No.	26251	Strand	+
Start	7552	End	7868
Name	OJ990830_12.9C03.C6.o1.gp	Method	AAT/GAP
Start	7552	End	7804
GI	LIB3434-035-P1-K1-A7	Score	420
Exons	7552..7804		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	12398	Seq. ID	OJ990830_12.9C03.C6
Gene No.	26251	Strand	+
Start	7552	End	7868
Name	OJ990830_12.9C03.C6.o2.gp	Method	AAT/GAP
Start	7624	End	7868
GI	LIB3431-010-P1-N1-F11	Score	382
Exons	7624..7868		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	12398	Seq. ID	OJ990830_12.9C03.C6

Gene No.	26252	Strand	+
Start	9048	End	9688
Name	OJ990830_12.9C03.C6.o3.np	Method	AAT/NAP
Start	9048	End	9688
GI	5852093	Score	61
Exons	9048..9156, 9666..9688		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	12398	Seq. ID	OJ990830_12.9C03.C6
Gene No.	26253	Strand	-
Start	1	End	9516
Name	OJ990830_12.9C03.C6.o2.np	Method	AAT/NAP
Start	1	End	9100
GI	93144	Score	115
Exons	1..33, 5138..5312, 5446..5839, 5886..6141, 9045..9100		
GI Descrip.	hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhuser or Becker) gi|334068 (M57505) ORF2 [Pseudorabies virus]		

Seq. No.	12398	Seq. ID	OJ990830_12.9C03.C6
Gene No.	26253	Strand	-
Start	1	End	9516
Name	OJ990830_12.9C03.C6.o2.gs	Method	GENSCAN
Start	4507	End	5666
GI	none	Score	.65
Exons	4507..4876, 5620..5666		

Seq. No.	12398	Seq. ID	OJ990830_12.9C03.C6
Gene No.	26253	Strand	-
Start	1	End	9516
Name	OJ990830_12.9C03.C6.o3.gs	Method	GENSCAN
Start	7062	End	9516
GI	none	Score	.91
Exons	7062..7247, 8692..8796, 9436..9516		

Seq. No.	12399	Seq. ID	OJ990830_12.9C03.C7
Gene No.	26254	Strand	+
Start	140	End	291
Name	OJ990830_12.9C03.C7.o1.gs	Method	GENSCAN
Start	140	End	291
GI	none	Score	.77
Exons	140..291		

Seq. No.	12399	Seq. ID	OJ990830_12.9C03.C7
Gene No.	26255	Strand	+
Start	1833	End	2023
Name	OJ990830_12.9C03.C7.o1.gp	Method	AAT/GAP
Start	1833	End	2023
GI	none	Score	358
Exons	1833..2023		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26256	Strand	+
Start	3966	End	4948
Name	OJ990830_12.9C03.C8.o2.gs	Method	GENSCAN
Start	3966	End	4948
GI	none	Score	.69

Exons	3966..4161, 4479..4838, 4899..4948		
Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26257	Strand	+
Start	5765	End	8835
Name	OJ990830_12.9C03.C8.o3.gs	Method	GENSCAN
Start	5765	End	8835
GI	none	Score	.76
Exons	5765..5842, 7796..7936, 8752..8835		
Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26257	Strand	+
Start	5765	End	8835
Name	OJ990830_12.9C03.C8.o2.gp	Method	AAT/GAP
Start	8390	End	8701
GI	72524_1.R1084	Score	419
Exons	8390..8701		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26258	Strand	+
Start	11292	End	12196
Name	OJ990830_12.9C03.C8.o2.np	Method	AAT/NAP
Start	11292	End	12196
GI	5091512	Score	1024
Exons	11292..11470, 11512..11642, 11690..11821, 11910..12196		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		
Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26259	Strand	-
Start	442	End	3654
Name	OJ990830_12.9C03.C8.o1.np	Method	AAT/NAP
Start	437	End	3654
GI	4680207	Score	917
Exons	437..1760, 1803..2347, 2848..3654		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26259	Strand	-
Start	442	End	3654
Name	OJ990830_12.9C03.C8.o1.gs	Method	GENSCAN
Start	442	End	3650
GI	none	Score	.73
Exons	442..607, 723..778, 1135..2431, 2848..3650		
Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26259	Strand	-
Start	442	End	3654
Name	OJ990830_12.9C03.C8.o1.gp	Method	AAT/GAP
Start	1782	End	2307
GI	27741_1.R1084	Score	1016
Exons	1782..2307		
GI Descrip.	'4680207/gb|AAD27570.1|AF114171_11 7.0e-43 (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]'		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26260	Strand	-
Start	10315	End	12565
Name	OJ990830_12.9C03.C8.o3.tw	Method	TBLASTX:Wheat
Start	1432	End	1869
GI	none	Score	78
Exons	1432..1506, 1516..1608, 1666..1755, 1795..1869		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26260	Strand	-
Start	10315	End	12565
Name	OJ990830_12.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	1666	End	2276
GI	none	Score	60
Exons	1666..1749, 1786..1860, 1798..1869, 1876..2043, 1901..2047, 2110..2193, 2117..2224, 2235..2276		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26260	Strand	-
Start	10315	End	12565
Name	OJ990830_12.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	1672	End	2403
GI	none	Score	85
Exons	1672..1746, 1801..1869, 1888..2214, 2057..2236, 2215..2292, 2308..2403, 2309..2389		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26260	Strand	-
Start	10315	End	12565
Name	OJ990830_12.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	1904	End	2194
GI	none	Score	119
Exons	1904..2113, 1906..2112, 2116..2193, 2117..2194		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26260	Strand	-
Start	10315	End	12565
Name	OJ990830_12.9C03.C8.o2.tm	Method	TBLASTX:Maize
Start	3138	End	3620
GI	none	Score	47
Exons	3138..3212, 3159..3212, 3227..3295, 3228..3362, 3353..3586, 3357..3620, 3360..3620		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26260	Strand	-
Start	10315	End	12565
Name	OJ990830_12.9C03.C8.o2.tw	Method	TBLASTX:Wheat
Start	3414	End	3656
GI	none	Score	95
Exons	3414..3650, 3416..3616, 3417..3656		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26260	Strand	-
Start	10315	End	12565
Name	OJ990830_12.9C03.C8.o4.gs	Method	GENSCAN
Start	10315	End	12565

GI	none	Score	.84
Exons	10315..10641, 10893..11188, 11243..12210, 12486..12565		

Seq. No.	12400	Seq. ID	OJ990830_12.9C03.C8
Gene No.	26261	Strand	
Start	15218	End	15543
Name	OJ990830_12.9C03.C8.o3.tm	Method	TBLASTX:Maize
Start	15218	End	15543
GI	none	Score	89
Exons	15218..15316, 15222..15275, 15223..15315, 15307..15357, 15333..15380, 15351..15395, 15469..15501, 15477..15497, 15487..15537, 15493..15543		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o1.gs	Method	GENSCAN
Start	785	End	4503
GI	none	Score	.71
Exons	785..949, 1568..1926, 2532..2753, 3641..4503		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o1.gp	Method	AAT/GAP
Start	1305	End	2613
GI	5056012	Score	1328
Exons	1305..1926, 2532..2613		
GI Descrip.	2499535/sp|Q41364|SOT1_SPIOL 6.0e-57 2-OXOGLUTARATE/MALATE TRANSLOCATOR PRECURSOR >gi_595681 (U13238) 2-oxoglutarate/malate translocator [Spinacia oleracea]		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	1397	End	3904
GI	none	Score	63
Exons	1397..1543, 1403..1513, 1532..1906, 1554..1754, 1564..1929, 1564..1929, 1565..1933, 1605..1940, 2498..2581, 2532..2750, 2532..2753, 2533..2754, 2533..2754, 2642..2755, 3638..3904, 3639..3902		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o1.np	Method	AAT/NAP
Start	1567	End	4611
GI	2499535	Score	2068
Exons	1567..1926, 2532..2753, 3641..4611		
GI Descrip.	2-OXOGLUTARATE/MALATE TRANSLOCATOR PRECURSOR gi|595681 (U13238) 2-oxoglutarate/malate translocator [Spinacia oleracea]		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o1.ts	Method	TBLASTX:Soybean

Start	1601	End	1929
GI	none	Score	316
Exons	1601..1906, 1603..1929, 1608..1928, 1609..1929		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	1696	End	1929
GI	none	Score	222
Exons	1696..1929, 1697..1900, 1698..1901, 1699..1929		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o3.ts	Method	TBLASTX:Soybean
Start	2532	End	3893
GI	none	Score	189
Exons	2532..2753, 2532..2753, 2536..2754, 3633..3893, 3638..3892		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o3.tc	Method	TBLASTX:Cress
Start	2569	End	2754
GI	none	Score	213
Exons	2569..2754, 2571..2753		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o2.gp	Method	AAT/GAP
Start	3616	End	4061
GI	2428657	Score	756
Exons	3616..4061		
GI Descrip.	2499535/sp|Q41364|SOT1_SPIOL 1.0e-47 2-OXOGLUTARATE/MALATE TRANSLOCATOR PRECURSOR >gi_595681 (U13238) 2-oxoglutarate/malate translocator [Spinacia oleracea]		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o2.tc	Method	TBLASTX:Cress
Start	3638	End	4040
GI	none	Score	116
Exons	3638..3835, 3639..3836, 3866..4039, 3879..4040		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	3905	End	4033
GI	none	Score	151
Exons	3905..4033, 3906..4031		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-

Start	785	End	4611
Name	OJ990830_12.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	4034	End	4339
GI	none	Score	218
Exons	4034..4339, 4119..4337		

Seq. No.	12401	Seq. ID	OJ990830_12.9C03.C11
Gene No.	26262	Strand	-
Start	785	End	4611
Name	OJ990830_12.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	4112	End	4468
GI	none	Score	277
Exons	4112..4273, 4119..4466, 4325..4468		

Seq. No.	12402	Seq. ID	OJ990830_12.9C03.C13
Gene No.	26263	Strand	+
Start	114	End	11944
Name	OJ990830_12.9C03.C13.o1.gs	Method	GENSCAN
Start	114	End	8445
GI	none	Score	.45
Exons	114..443, 4487..4517, 5412..5798, 7545..8445		

Seq. No.	12402	Seq. ID	OJ990830_12.9C03.C13
Gene No.	26263	Strand	+
Start	114	End	11944
Name	OJ990830_12.9C03.C13.o1.np	Method	AAT/NAP
Start	5536	End	11944
GI	2129932	Score	405
Exons	5536..5798, 7545..7661, 8034..8059, 11892..11944		
GI Descrip.	myb-related transcription factor TMH1 - tomato gi|1167486|emb|CAA64615| (X95297) transcription factor [Lycopersicon esculentum]		

Seq. No.	12402	Seq. ID	OJ990830_12.9C03.C13
Gene No.	26263	Strand	+
Start	114	End	11944
Name	OJ990830_12.9C03.C13.o2.np	Method	AAT/NAP
Start	9546	End	11944
GI	6539570	Score	157
Exons	9546..9585, 10547..10708, 10759..10852, 11860..11944		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	12402	Seq. ID	OJ990830_12.9C03.C13
Gene No.	26264	Strand	-
Start	10514	End	10741
Name	OJ990830_12.9C03.C13.o1.tc	Method	TBLASTX:Cress
Start	5572	End	5805
GI	none	Score	352
Exons	5572..5805, 5580..5672, 5736..5792		

Seq. No.	12402	Seq. ID	OJ990830_12.9C03.C13
Gene No.	26264	Strand	-
Start	10514	End	10741
Name	OJ990830_12.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	5572	End	7632
GI	none	Score	324
Exons	5572..5805, 7542..7622, 7543..7632		

Seq. No.	12402	Seq. ID	OJ990830_12.9C03.C13
Gene No.	26264	Strand	-
Start	10514	End	10741
Name	OJ990830_12.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	5572	End	7632
GI	none	Score	365
Exons	5572..5805, 5580..5669, 7542..7631, 7543..7632		

Seq. No.	12402	Seq. ID	OJ990830_12.9C03.C13
Gene No.	26264	Strand	-
Start	10514	End	10741
Name	OJ990830_12.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	5575	End	7629
GI	none	Score	265
Exons	5575..5805, 5575..5649, 5736..5792, 7542..7619, 7543..7629		

Seq. No.	12402	Seq. ID	OJ990830_12.9C03.C13
Gene No.	26264	Strand	-
Start	10514	End	10741
Name	OJ990830_12.9C03.C13.o2.gs	Method	GENSCAN
Start	10514	End	10741
GI	none	Score	.51
Exons	10514..10741		

Seq. No.	12403	Seq. ID	OJ990830_12.9C03.C15
Gene No.	26265	Strand	-
Start	820	End	4950
Name	OJ990830_12.9C03.C15.o1.gs	Method	GENSCAN
Start	820	End	4585
GI	none	Score	.65
Exons	820..900, 1403..1560, 1806..1914, 2787..2859, 2944..3053, 3148..3321, 3614..3780, 3906..3993, 4142..4279, 4306..4585		

Seq. No.	12403	Seq. ID	OJ990830_12.9C03.C15
Gene No.	26265	Strand	-
Start	820	End	4950
Name	OJ990830_12.9C03.C15.o2.gp	Method	AAT/GAP
Start	2365	End	2674
GI	LIB3432-059-P1-K1-D8	Score	532
Exons	2365..2674		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	12403	Seq. ID	OJ990830_12.9C03.C15
Gene No.	26265	Strand	-
Start	820	End	4950
Name	OJ990830_12.9C03.C15.o2.np	Method	AAT/NAP
Start	3556	End	4950
GI	4680204	Score	443
Exons	3556..4046, 4142..4950		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	12404	Seq. ID	OJ990830_12.9C03.C19
Gene No.	26266	Strand	-
Start	1	End	62
Name	OJ990830_12.9C03.C19.o1.gp	Method	AAT/GAP

Start	1	End	62
GI	uC-osf1M202123c07b1	Score	102
Exons	1..62		
GI Descrip.	'3617770/emb|CAA74705| 2.0e-20 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	12405	Seq. ID	OJ990830_12.9C03.C22
Gene No.	26267	Strand	-
Start	1	End	237
Name	OJ990830_12.9C03.C22.o1.gp	Method	AAT/GAP
Start	1	End	237
GI	27741_1.R1084	Score	455
Exons	1..237		
GI Descrip.	'4680207/gb|AAD27570.1|AF114171_11 7.0e-43 (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]'		

Seq. No.	12405	Seq. ID	OJ990830_12.9C03.C22
Gene No.	26267	Strand	-
Start	1	End	237
Name	OJ990830_12.9C03.C22.o1.np	Method	AAT/NAP
Start	1	End	237
GI	4680207	Score	190
Exons	1..237		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	12406	Seq. ID	OJ990830_12.9C03.C23
Gene No.	26268	Strand	+
Start	372	End	565
Name	OJ990830_12.9C03.C23.o1.gs	Method	GENSCAN
Start	372	End	565
GI	none	Score	.81
Exons	372..565		

Seq. No.	12407	Seq. ID	OJ990830_12.9C03.C25
Gene No.	26269	Strand	+
Start	149	End	247
Name	OJ990830_12.9C03.C25.o1.np	Method	AAT/NAP
Start	149	End	247
GI	5852175	Score	69
Exons	149..247		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	12408	Seq. ID	OJ990830_12.9C03.C28
Gene No.	26270	Strand	-
Start	15	End	458
Name	OJ990830_12.9C03.C28.o1.gs	Method	GENSCAN
Start	15	End	458
GI	none	Score	.75
Exons	15..199, 282..458		

Seq. No.	12409	Seq. ID	OJ990830_12.9C03.C29
Gene No.	26271	Strand	+
Start	83	End	142
Name	OJ990830_12.9C03.C29.o1.gs	Method	GENSCAN
Start	83	End	142
GI	none	Score	.45

Exons	83..142		
Seq. No.	12410	Seq. ID	OJ990830_12.9C03.C30
Gene No.	26272	Strand	-
Start	1	End	232
Name	OJ990830_12.9C03.C30.o1.np	Method	AAT/NAP
Start	1	End	232
GI	4680203	Score	245
Exons	1..232		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	12411	Seq. ID	OJ990830_12.9C03.C35
Gene No.	26273	Strand	+
Start	259	End	559
Name	OJ990830_12.9C03.C35.o1.gs	Method	GENSCAN
Start	259	End	559
GI	none	Score	.9
Exons	259..559		
Seq. No.	12412	Seq. ID	OJ990830_12.9C03.C37
Gene No.	26274	Strand	-
Start	1	End	312
Name	OJ990830_12.9C03.C37.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	2311510	Score	140
Exons	1..23, 226..312		
GI Descrip.	3617770/emb|CAA74705| 3.0e-36 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]		
Seq. No.	12413	Seq. ID	OJ990830_12.9C03.C38
Gene No.	26275	Strand	-
Start	1	End	589
Name	OJ990830_12.9C03.C38.o1.np	Method	AAT/NAP
Start	1	End	589
GI	4206306	Score	308
Exons	1..589		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	12413	Seq. ID	OJ990830_12.9C03.C38
Gene No.	26275	Strand	-
Start	1	End	589
Name	OJ990830_12.9C03.C38.o1.tw	Method	TBLASTX:Wheat
Start	1	End	240
GI	none	Score	163
Exons	1..180, 1..189, 12..191, 38..181, 184..240		
Seq. No.	12413	Seq. ID	OJ990830_12.9C03.C38
Gene No.	26275	Strand	-
Start	1	End	589
Name	OJ990830_12.9C03.C38.o1.tm	Method	TBLASTX:Maize
Start	1	End	186
GI	none	Score	59
Exons	1..186, 9..53, 38..181		
Seq. No.	12413	Seq. ID	OJ990830_12.9C03.C38
Gene No.	26275	Strand	-
Start	1	End	589

Name	OJ990830_12.9C03.C38.o1.ts	Method	TBLASTX:Soybean
Start	37	End	390
GI	none	Score	65
Exons	37..171, 97..165, 178..390		

Seq. No.	12413	Seq. ID	OJ990830_12.9C03.C38
Gene No.	26275	Strand	-
Start	1	End	589
Name	OJ990830_12.9C03.C38.o1.gs	Method	GENSCAN
Start	41	End	387
GI	none	Score	.57
Exons	41..387		

Seq. No.	12414	Seq. ID	OJ990810_11.9C17.C1
Gene No.	26276	Strand	+
Start	591	End	1172
Name	OJ990810_11.9C17.C1.o1.gs	Method	GENSCAN
Start	591	End	1172
GI	none	Score	.67
Exons	591..1172		

Seq. No.	12415	Seq. ID	OJ990810_11.9C17.C2
Gene No.	26277	Strand	+
Start	106	End	1746
Name	OJ990810_11.9C17.C2.o1.np	Method	AAT/NAP
Start	106	End	1746
GI	4680179	Score	1142
Exons	106..1192, 1226..1746		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12415	Seq. ID	OJ990810_11.9C17.C2
Gene No.	26277	Strand	+
Start	106	End	1746
Name	OJ990810_11.9C17.C2.o1.gs	Method	GENSCAN
Start	143	End	1696
GI	none	Score	.81
Exons	143..1696		

Seq. No.	12415	Seq. ID	OJ990810_11.9C17.C2
Gene No.	26277	Strand	+
Start	106	End	1746
Name	OJ990810_11.9C17.C2.o3.tw	Method	TBLASTX:Wheat
Start	215	End	549
GI	none	Score	211
Exons	215..226, 350..547, 352..549		

Seq. No.	12415	Seq. ID	OJ990810_11.9C17.C2
Gene No.	26277	Strand	+
Start	106	End	1746
Name	OJ990810_11.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	583	End	934
GI	none	Score	293
Exons	583..777, 584..934		

Seq. No.	12415	Seq. ID	OJ990810_11.9C17.C2
Gene No.	26277	Strand	+
Start	106	End	1746

Name	OJ990810_11.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	584	End	889
GI	none	Score	232
Exons	584..889, 598..762		

Seq. No.	12415	Seq. ID	OJ990810_11.9C17.C2
Gene No.	26277	Strand	+
Start	106	End	1746
Name	OJ990810_11.9C17.C2.o2.tm	Method	TBLASTX:Maize
Start	1217	End	1570
GI	none	Score	187
Exons	1217..1570		

Seq. No.	12415	Seq. ID	OJ990810_11.9C17.C2
Gene No.	26277	Strand	+
Start	106	End	1746
Name	OJ990810_11.9C17.C2.o2.tw	Method	TBLASTX:Wheat
Start	1253	End	1645
GI	none	Score	163
Exons	1253..1462, 1309..1461, 1507..1623, 1508..1645		

Seq. No.	12416	Seq. ID	OJ990810_11.9C17.C3
Gene No.	26278	Strand	-
Start	1	End	490
Name	OJ990810_11.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	490
GI	6498441	Score	735
Exons	1..490		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12416	Seq. ID	OJ990810_11.9C17.C3
Gene No.	26278	Strand	-
Start	1	End	490
Name	OJ990810_11.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	343
GI	none	Score	59
Exons	2..106, 36..107, 90..221, 92..274, 94..288, 100..276, 269..343		

Seq. No.	12416	Seq. ID	OJ990810_11.9C17.C3
Gene No.	26278	Strand	-
Start	1	End	490
Name	OJ990810_11.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	29	End	346
GI	none	Score	71
Exons	29..106, 30..107, 109..264, 110..271, 269..346		

Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26279	Strand	+
Start	276	End	3189
Name	OJ990810_11.9C17.C5.o1.gs	Method	GENSCAN
Start	276	End	1314
GI	none	Score	.74
Exons	276..408, 669..760, 903..1211, 1249..1314		

Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5

Gene No.	26279	Strand	+
Start	276	End	3189
Name	OJ990810_11.9C17.C5.o1.gp	Method	AAT/GAP
Start	878	End	1211
GI	82047_1.R1084	Score	449
Exons	878..1211		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26279	Strand	+
Start	276	End	3189
Name	OJ990810_11.9C17.C5.o1.np	Method	AAT/NAP
Start	954	End	3189
GI	4678261	Score	163
Exons	954..1229, 3157..3189		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26280	Strand	+
Start	7359	End	7480
Name	OJ990810_11.9C17.C5.o2.gp	Method	AAT/GAP
Start	7359	End	7480
GI	3767784	Score	124
Exons	7359..7480		

Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26281	Strand	-
Start	1960	End	4135
Name	OJ990810_11.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	912	End	1224
GI	none	Score	208
Exons	912..1136, 1043..1132, 1156..1224, 1156..1221		

Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26281	Strand	-
Start	1960	End	4135
Name	OJ990810_11.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	960	End	1224
GI	none	Score	163
Exons	960..1136, 1156..1224		

Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26281	Strand	-
Start	1960	End	4135
Name	OJ990810_11.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	1861	End	2290
GI	none	Score	89
Exons	1861..1986, 1891..2202, 2056..2289, 2192..2290		

Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26281	Strand	-
Start	1960	End	4135
Name	OJ990810_11.9C17.C5.o2.np	Method	AAT/NAP
Start	1960	End	4135
GI	4538896	Score	1603

Exons	1960..2997, 3058..3566, 3676..4047, 4084..4135		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		
Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26281	Strand	-
Start	1960	End	4135
Name	OJ990810_11.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	2770	End	3162
GI	none	Score	37
Exons	2770..2838, 2774..2842, 2902..3162, 2924..3136		
Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26281	Strand	-
Start	1960	End	4135
Name	OJ990810_11.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	3163	End	3384
GI	none	Score	144
Exons	3163..3384, 3194..3373		
Seq. No.	12417	Seq. ID	OJ990810_11.9C17.C5
Gene No.	26282	Strand	
Start	5348	End	5694
Name	OJ990810_11.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	5348	End	5694
GI	none	Score	183
Exons	5348..5485, 5349..5486, 5593..5694, 5596..5688		
Seq. No.	12418	Seq. ID	OJ990810_11.9C17.C6
Gene No.	26283	Strand	-
Start	1	End	645
Name	OJ990810_11.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	645
GI	4680179	Score	652
Exons	1..645		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	12418	Seq. ID	OJ990810_11.9C17.C6
Gene No.	26283	Strand	-
Start	1	End	645
Name	OJ990810_11.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	282
GI	none	Score	91
Exons	1..282, 104..268		
Seq. No.	12418	Seq. ID	OJ990810_11.9C17.C6
Gene No.	26283	Strand	-
Start	1	End	645
Name	OJ990810_11.9C17.C6.o1.gs	Method	GENSCAN
Start	43	End	594
GI	none	Score	.83
Exons	43..594		
Seq. No.	12418	Seq. ID	OJ990810_11.9C17.C6
Gene No.	26283	Strand	-
Start	1	End	645
Name	OJ990810_11.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	163	End	525

GI	none	Score	138
Exons	163..525, 164..523		
Seq. No.	12419	Seq. ID	OJ990810_11.9C17.C7
Gene No.	26284	Strand	+
Start	23	End	115
Name	OJ990810_11.9C17.C7.o1.gs	Method	GENSCAN
Start	23	End	115
GI	none	Score	.48
Exons	23..115		
Seq. No.	12419	Seq. ID	OJ990810_11.9C17.C7
Gene No.	26285	Strand	-
Start	1	End	139
Name	OJ990810_11.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	139
GI	4512231	Score	175
Exons	1..139		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	12420	Seq. ID	OJ990810_11.9C17.C8
Gene No.	26286	Strand	+
Start	90	End	695
Name	OJ990810_11.9C17.C8.o1.gs	Method	GENSCAN
Start	90	End	695
GI	none	Score	.8
Exons	90..144, 163..238, 574..695		
Seq. No.	12421	Seq. ID	OJ990810_11.9C17.C9
Gene No.	26287	Strand	+
Start	329	End	454
Name	OJ990810_11.9C17.C9.o1.gs	Method	GENSCAN
Start	329	End	454
GI	none	Score	.46
Exons	329..454		
Seq. No.	12422	Seq. ID	OJ990810_11.9C17.C10
Gene No.	26288	Strand	+
Start	4839	End	5972
Name	OJ990810_11.9C17.C10.o3.gs	Method	GENSCAN
Start	4839	End	5972
GI	none	Score	.75
Exons	4839..5972		
Seq. No.	12422	Seq. ID	OJ990810_11.9C17.C10
Gene No.	26289	Strand	-
Start	1	End	10270
Name	OJ990810_11.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	697
GI	6721562	Score	1016
Exons	1..697		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	12422	Seq. ID	OJ990810_11.9C17.C10
Gene No.	26289	Strand	-
Start	1	End	10270
Name	OJ990810_11.9C17.C10.o1.gs	Method	GENSCAN
Start	7	End	1376
GI	none	Score	.54
Exons	7..742, 808..978, 1320..1376		

Seq. No.	12422	Seq. ID	OJ990810_11.9C17.C10
Gene No.	26289	Strand	-
Start	1	End	10270
Name	OJ990810_11.9C17.C10.o2.np	Method	AAT/NAP
Start	925	End	8831
GI	5042454	Score	201
Exons	925..978, 1320..1493, 8810..8831		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12422	Seq. ID	OJ990810_11.9C17.C10
Gene No.	26289	Strand	-
Start	1	End	10270
Name	OJ990810_11.9C17.C10.o1.gp	Method	AAT/GAP
Start	1041	End	1462
GI	uC-osflcyp172a09a1	Score	629
Exons	1041..1068, 1098..1462		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	12422	Seq. ID	OJ990810_11.9C17.C10
Gene No.	26289	Strand	-
Start	1	End	10270
Name	OJ990810_11.9C17.C10.o2.gs	Method	GENSCAN
Start	3329	End	4345
GI	none	Score	1
Exons	3329..4345		

Seq. No.	12422	Seq. ID	OJ990810_11.9C17.C10
Gene No.	26289	Strand	-
Start	1	End	10270
Name	OJ990810_11.9C17.C10.o4.gs	Method	GENSCAN
Start	6758	End	10264
GI	none	Score	.86
Exons	6758..7432, 7727..7781, 7955..8067, 8105..8235, 8632..8689, 9185..9296, 9379..9484, 9996..10065, 10154..10264		

Seq. No.	12422	Seq. ID	OJ990810_11.9C17.C10
Gene No.	26289	Strand	-
Start	1	End	10270
Name	OJ990810_11.9C17.C10.o3.np	Method	AAT/NAP
Start	7120	End	10270
GI	4559345	Score	249
Exons	7120..7169, 7317..7425, 7723..7781, 7955..8007, 8105..8206, 8360..8464, 8570..8681, 9122..9296, 9379..9484, 9996..10065, 10154..10270		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11

Gene No.	26290	Strand	+
Start	439	End	1068
Name	OJ990810_11.9C17.C11.o1.gs	Method	GENSCAN
Start	439	End	1068
GI	none	Score	.57
Exons	439..452, 465..533, 726..1068		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26291	Strand	+
Start	11021	End	14161
Name	OJ990810_11.9C17.C11.o2.np	Method	AAT/NAP
Start	11021	End	14158
GI	6907089	Score	4447
Exons	11021..12281, 12376..14158		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26291	Strand	+
Start	11021	End	14161
Name	OJ990810_11.9C17.C11.o3.gs	Method	GENSCAN
Start	11021	End	14161
GI	none	Score	.72
Exons	11021..11074, 11276..11446, 11462..14161		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26292	Strand	+
Start	21600	End	23198
Name	OJ990810_11.9C17.C11.o6.gs	Method	GENSCAN
Start	21600	End	23198
GI	none	Score	.99
Exons	21600..21660, 22396..23198		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26293	Strand	-
Start	1382	End	10740
Name	OJ990810_11.9C17.C11.o1.gp	Method	AAT/GAP
Start	1382	End	2289
GI	3767784	Score	838
Exons	1382..1768, 2212..2289		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26293	Strand	-
Start	1382	End	10740
Name	OJ990810_11.9C17.C11.o2.gs	Method	GENSCAN
Start	1613	End	10740
GI	none	Score	.77
Exons	1613..1768, 2212..2303, 2375..2410, 2604..3261, 3346..3854, 4198..4337, 4839..4995, 5544..5704, 6451..6622, 6869..6971, 7628..7656, 7746..7995, 9278..9448, 9790..9879, 9979..10051, 10637..10740		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26293	Strand	-
Start	1382	End	10740
Name	OJ990810_11.9C17.C11.o2.gp	Method	AAT/GAP
Start	2492	End	2896
GI	none	Score	782

Exons	2492..2896		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26293	Strand	-
Start	1382	End	10740
Name	OJ990810_11.9C17.C11.o1.np	Method	AAT/NAP
Start	4004	End	7127
GI	4678341	Score	251
Exons	4004..4141, 4733..5003, 6420..6622, 6869..6992, 7087..7127		
GI Descrip.	(AL049659) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26293	Strand	-
Start	1382	End	10740
Name	OJ990810_11.9C17.C11.o3.gp	Method	AAT/GAP
Start	9511	End	9931
GI	uC-osflcyp172a09a1	Score	640
Exons	9511..9538, 9568..9931		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26294	Strand	-
Start	14792	End	20581
Name	OJ990810_11.9C17.C11.o4.gs	Method	GENSCAN
Start	14792	End	17423
GI	none	Score	.67
Exons	14792..16345, 16390..17259, 17277..17423		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26294	Strand	-
Start	14792	End	20581
Name	OJ990810_11.9C17.C11.o3.np	Method	AAT/NAP
Start	14795	End	20427
GI	6498441	Score	6919
Exons	14795..15076, 15170..16545, 16717..17041, 17234..17632, 17805..17939, 18123..18496, 18560..19023, 19364..20427		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26294	Strand	-
Start	14792	End	20581
Name	OJ990810_11.9C17.C11.o5.gs	Method	GENSCAN
Start	17687	End	20581
GI	none	Score	.53
Exons	17687..18496, 18560..19045, 19071..19850, 19868..19980, 20134..20581		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26295	Strand	-
Start	21255	End	21640
Name	OJ990810_11.9C17.C11.o4.gp	Method	AAT/GAP
Start	21255	End	21640
GI	uC-osflcyp033a04b1	Score	661
Exons	21255..21640		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	2281	End	2880
GI	none	Score	65
Exons	2281..2412, 2320..2412, 2500..2694, 2503..2727, 2504..2725, 2746..2880, 2747..2872		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o4.tm	Method	TBLASTX:Maize
Start	2738	End	3027
GI	none	Score	359
Exons	2738..3016, 2740..3027, 2740..3027		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o3.tm	Method	TBLASTX:Maize
Start	3826	End	4894
GI	none	Score	44
Exons	3826..3858, 3830..3856, 3915..4034, 3923..3967, 3926..4039, 3930..4034, 4078..4218, 4094..4219, 4094..4231, 4101..4232, 4228..4332, 4237..4338, 4238..4348, 4238..4339, 4730..4894, 4731..4889, 4745..4891		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	15161	End	24734
GI	none	Score	89
Exons	15161..15277, 15332..15490, 24108..24734, 24111..24362, 24220..24678		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o7.tw	Method	TBLASTX:Wheat
Start	15533	End	15922
GI	none	Score	178
Exons	15533..15922, 15609..15899		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o7.tm	Method	TBLASTX:Maize
Start	15602	End	15925
GI	none	Score	201
Exons	15602..15925, 15615..15896		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11

Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o9.tw	Method	TBLASTX:Wheat
Start	16411	End	16869
GI	none	Score	91
Exons	16411..16560, 16412..16549, 16604..16780, 16621..16869, 16621..16845		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	16762	End	25662
GI	none	Score	165
Exons	16762..16902, 25299..25661, 25308..25661, 25312..25662		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o5.tw	Method	TBLASTX:Wheat
Start	17500	End	26087
GI	none	Score	114
Exons	17500..17700, 17525..17701, 17684..17863, 17699..17917, 17700..17918, 25734..26087		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o5.tm	Method	TBLASTX:Maize
Start	17536	End	26198
GI	none	Score	50
Exons	17536..17703, 17876..18025, 25698..26012, 25741..25791, 25819..25872, 26019..26198, 26044..26190		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	17578	End	26144
GI	none	Score	200
Exons	17578..17700, 17702..17947, 25749..26108, 25750..26040, 26068..26106, 26112..26144, 26113..26142		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o4.tw	Method	TBLASTX:Wheat
Start	18026	End	26435
GI	none	Score	233
Exons	18026..18487, 18032..18487, 18033..18488, 26217..26435		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o8.tm	Method	TBLASTX:Maize
Start	18027	End	26435
GI	none	Score	184

Exons	18027..18323, 18029..18358, 26205..26435		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o5.ts	Method	TBLASTX:Soybean
Start	18083	End	26390
GI	none	Score	111
Exons	18083..18217, 18224..18448, 26256..26390		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o8.tw	Method	TBLASTX:Wheat
Start	18653	End	19148
GI	none	Score	152
Exons	18653..19021, 18684..18944, 19044..19148		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o10.tw	Method	TBLASTX:Wheat
Start	19886	End	20278
GI	none	Score	95
Exons	19886..20143, 19920..20159, 20126..20224, 20127..20219, 20231..20278		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o10.tm	Method	TBLASTX:Maize
Start	19988	End	20273
GI	none	Score	92
Exons	19988..20236, 19989..20273		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o12.tm	Method	TBLASTX:Maize
Start	23722	End	23951
GI	none	Score	37
Exons	23722..23751, 23754..23951, 23757..23852, 23845..23940		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o4.np	Method	AAT/NAP
Start	23730	End	31255
GI	4680179	Score	5431
Exons	23730..27130, 30166..31255		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o6.tw	Method	TBLASTX:Wheat
Start	23775	End	24108

GI	none	Score	132
Exons	23775..24107, 23796..24104, 23839..24108		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	23955	End	24554
GI	none	Score	121
Exons	23955..24395, 23970..24233, 23971..24396, 24393..24554, 24400..24546, 24402..24551		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o6.tm	Method	TBLASTX:Maize
Start	24603	End	24895
GI	none	Score	209
Exons	24603..24893, 24607..24894, 24734..24895		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o3.ts	Method	TBLASTX:Soybean
Start	24693	End	24953
GI	none	Score	154
Exons	24693..24953, 24694..24948		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	24717	End	25034
GI	none	Score	83
Exons	24717..24860, 24718..24858, 24861..25034		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	24741	End	25308
GI	none	Score	344
Exons	24741..25277, 24742..25308		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o3.tw	Method	TBLASTX:Wheat
Start	25311	End	25733
GI	none	Score	355
Exons	25311..25733, 25312..25701		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o4.ts	Method	TBLASTX:Soybean
Start	25482	End	25727

GI	none	Score	66
Exons	25482..25727, 25582..25710		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o14.tw	Method	TBLASTX:Wheat
Start	26088	End	26207
GI	none	Score	135
Exons	26088..26207, 26089..26199		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o12.tw	Method	TBLASTX:Wheat
Start	26667	End	27104
GI	none	Score	72
Exons	26667..26708, 26736..26849, 26737..26850, 26895..27104, 26896..27048		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o11.tm	Method	TBLASTX:Maize
Start	26787	End	27110
GI	none	Score	188
Exons	26787..27110		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o8.gs	Method	GENSCAN
Start	30068	End	32742
GI	none	Score	.93
Exons	30068..31252, 31427..31509, 31548..32313, 32731..32742		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o11.tw	Method	TBLASTX:Wheat
Start	30428	End	30786
GI	none	Score	112
Exons	30428..30778, 30585..30779, 30610..30786		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o9.tm	Method	TBLASTX:Maize
Start	30473	End	30778
GI	none	Score	90
Exons	30473..30778, 30648..30764		

Seq. No.	12423	Seq. ID	OJ990810_11.9C17.C11
Gene No.	26296	Strand	-
Start	23730	End	32742
Name	OJ990810_11.9C17.C11.o13.tw	Method	TBLASTX:Wheat
Start	30813	End	31039

GI	none	Score	115
Exons	30813..31010, 30815..31012, 31019..31039		

Seq. No.	12424	Seq. ID	OJ990810_11.9C17.C12
Gene No.	26297	Strand	+
Start	61	End	1787
Name	OJ990810_11.9C17.C12.o1.gs	Method	GENSCAN
Start	61	End	387
GI	none	Score	.71
Exons	61..387		

Seq. No.	12424	Seq. ID	OJ990810_11.9C17.C12
Gene No.	26297	Strand	+
Start	61	End	1787
Name	OJ990810_11.9C17.C12.o1.np	Method	AAT/NAP
Start	61	End	1581
GI	6721562	Score	519
Exons	61..446, 828..930, 1439..1581		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	12424	Seq. ID	OJ990810_11.9C17.C12
Gene No.	26297	Strand	+
Start	61	End	1787
Name	OJ990810_11.9C17.C12.o2.gs	Method	GENSCAN
Start	1059	End	1787
GI	none	Score	.92
Exons	1059..1787		

Seq. No.	12424	Seq. ID	OJ990810_11.9C17.C12
Gene No.	26298	Strand	+
Start	2923	End	3124
Name	OJ990810_11.9C17.C12.o3.np	Method	AAT/NAP
Start	2923	End	3124
GI	4680186	Score	304
Exons	2923..3124		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12424	Seq. ID	OJ990810_11.9C17.C12
Gene No.	26299	Strand	-
Start	1	End	1764
Name	OJ990810_11.9C17.C12.o2.np	Method	AAT/NAP
Start	1	End	1764
GI	5852180	Score	541
Exons	1..78, 1177..1579, 1631..1764		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12424	Seq. ID	OJ990810_11.9C17.C12
Gene No.	26300	Strand	-
Start	2672	End	3057
Name	OJ990810_11.9C17.C12.o1.gp	Method	AAT/GAP
Start	2672	End	3057
GI	uC-osflcyp033a04b1	Score	669
Exons	2672..3057		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	12425	Seq. ID	OJ990810_11.9C17.C13
Gene No.	26301	Strand	+
Start	1	End	862
Name	OJ990810_11.9C17.C13.o1.np	Method	AAT/NAP
Start	1	End	862
GI	6498441	Score	78
Exons	1..31, 804..862		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	12426	Seq. ID	OJ990810_11.9C17.C14
Gene No.	26302	Strand	+
Start	1	End	443
Name	OJ990810_11.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	440
GI	4512231	Score	664
Exons	1..440		

GI Descrip. (AB014741) ORF0 protein [Oryza sativa]

Seq. No.	12426	Seq. ID	OJ990810_11.9C17.C14
Gene No.	26302	Strand	+
Start	1	End	443
Name	OJ990810_11.9C17.C14.o1.gs	Method	GENSCAN
Start	42	End	443
GI	none	Score	.51
Exons	42..443		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	4873
GI	4680179	Score	5399
Exons	1..24, 517..1453, 1481..4873		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o1.gs	Method	GENSCAN
Start	442	End	4876
GI	none	Score	.71
Exons	442..1372, 1398..3898, 4082..4876		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o9.tw	Method	TBLASTX:Wheat
Start	603	End	801
GI	none	Score	193
Exons	603..800, 604..801		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15

Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o5.tm	Method	TBLASTX:Maize
Start	853	End	1158
GI	none	Score	240
Exons	853..1158		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o7.tw	Method	TBLASTX:Wheat
Start	853	End	1203
GI	none	Score	303
Exons	853..1203		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o8.tw	Method	TBLASTX:Wheat
Start	1538	End	1891
GI	none	Score	209
Exons	1538..1891		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o6.tm	Method	TBLASTX:Maize
Start	1895	End	2092
GI	none	Score	196
Exons	1895..2092, 1933..2091		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o4.tw	Method	TBLASTX:Wheat
Start	2024	End	2518
GI	none	Score	75
Exons	2024..2104, 2183..2518, 2248..2475		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o4.tm	Method	TBLASTX:Maize
Start	2405	End	2905
GI	none	Score	116
Exons	2405..2542, 2413..2538, 2603..2905, 2656..2784		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	2459	End	2854
GI	none	Score	57
Exons	2459..2491, 2459..2491, 2495..2548, 2497..2538, 2603..2854, 2611..2844		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15

Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o5.tw	Method	TBLASTX:Wheat
Start	2568	End	2869
GI	none	Score	50
Exons	2568..2660, 2606..2869, 2608..2868		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o3.tw	Method	TBLASTX:Wheat
Start	2870	End	3295
GI	none	Score	596
Exons	2870..3295, 2872..3288, 2945..3295		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o3.ts	Method	TBLASTX:Soybean
Start	2876	End	3124
GI	none	Score	206
Exons	2876..3124		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o2.tm	Method	TBLASTX:Maize
Start	2942	End	3295
GI	none	Score	460
Exons	2942..3295, 2947..3126, 2993..3280, 3145..3288		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o2.tw	Method	TBLASTX:Wheat
Start	3323	End	3862
GI	none	Score	629
Exons	3323..3862, 3499..3858		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o1.tc	Method	TBLASTX:Cress
Start	3560	End	3886
GI	none	Score	90
Exons	3560..3742, 3743..3886, 3745..3885		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o2.ts	Method	TBLASTX:Soybean
Start	3650	End	3910
GI	none	Score	301
Exons	3650..3910, 3661..3909		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+

Start	1	End	4876
Name	OJ990810_11.9C17.C15.o3.tm	Method	TBLASTX:Maize
Start	3708	End	4000
GI	none	Score	402
Exons	3708..3995, 3709..3996, 3710..4000		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o1.tw	Method	TBLASTX:Wheat
Start	3869	End	4495
GI	none	Score	714
Exons	3869..4495, 3872..4216, 3928..4374, 4435..4494		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	4048	End	4633
GI	none	Score	229
Exons	4048..4203, 4049..4210, 4063..4212, 4207..4371, 4208..4633, 4367..4612, 4435..4632		

Seq. No.	12427	Seq. ID	OJ990810_11.9C17.C15
Gene No.	26303	Strand	+
Start	1	End	4876
Name	OJ990810_11.9C17.C15.o6.tw	Method	TBLASTX:Wheat
Start	4495	End	4828
GI	none	Score	312
Exons	4495..4776, 4496..4828		

Seq. No.	12428	Seq. ID	OJ990810_11.9C17.C16
Gene No.	26304	Strand	-
Start	1	End	1278
Name	OJ990810_11.9C17.C16.o1.np	Method	AAT/NAP
Start	1	End	1278
GI	6498441	Score	952
Exons	1..157, 251..694, 1234..1278		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12428	Seq. ID	OJ990810_11.9C17.C16
Gene No.	26304	Strand	-
Start	1	End	1278
Name	OJ990810_11.9C17.C16.o1.gs	Method	GENSCAN
Start	25	End	689
GI	none	Score	.53
Exons	25..689		

Seq. No.	12428	Seq. ID	OJ990810_11.9C17.C16
Gene No.	26304	Strand	-
Start	1	End	1278
Name	OJ990810_11.9C17.C16.o1.tw	Method	TBLASTX:Wheat
Start	287	End	652
GI	none	Score	100
Exons	287..553, 293..652, 522..650		

Seq. No.	12429	Seq. ID	OJ990910_18.9C14.C1
Gene No.	26305	Strand	-
Start	1	End	884
Name	OJ990910_18.9C14.C1.o1.np	Method	AAT/NAP
Start	1	End	884
GI	5091513	Score	1148
Exons	1..884		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12429	Seq. ID	OJ990910_18.9C14.C1
Gene No.	26305	Strand	-
Start	1	End	884
Name	OJ990910_18.9C14.C1.o1.gs	Method	GENSCAN
Start	8	End	831
GI	none	Score	.66
Exons	8..831		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26306	Strand	-
Start	1087	End	6520
Name	OJ990910_18.9C14.C2.o1.np	Method	AAT/NAP
Start	1087	End	4557
GI	5091513	Score	2240
Exons	1087..1205, 1757..2065, 2109..2702, 3446..4557		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26306	Strand	-
Start	1087	End	6520
Name	OJ990910_18.9C14.C2.o2.np	Method	AAT/NAP
Start	4414	End	6520
GI	4678270	Score	93
Exons	4414..4487, 6407..6520		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26306	Strand	-
Start	1087	End	6520
Name	OJ990910_18.9C14.C2.o1.gp	Method	AAT/GAP
Start	4652	End	4951
GI	uC-osflcyp053g09b1	Score	502
Exons	4652..4951		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-
Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o2.tw	Method	TBLASTX:Wheat
Start	2155	End	9428
GI	none	Score	63
Exons	2155..2226, 2342..2491, 4028..4093, 4147..4278, 9077..9229, 9090..9125, 9330..9428, 9340..9426		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-

Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o2.tm	Method	TBLASTX:Maize
Start	6464	End	6661
GI	none	Score	169
Exons	6464..6568, 6466..6570, 6466..6567, 6584..6661, 6586..6660		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-
Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o4.gs	Method	GENSCAN
Start	7557	End	9470
GI	none	Score	.81
Exons	7557..7722, 8168..8236, 8347..8699, 8801..8983, 9077..9231, 9326..9470		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-
Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o3.np	Method	AAT/NAP
Start	8056	End	9464
GI	2960364	Score	868
Exons	8056..8236, 8347..8699, 8801..8986, 9077..9231, 9326..9464		
GI Descrip.	(AJ224986) cinnamoyl CoA reductase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-
Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o1.tm	Method	TBLASTX:Maize
Start	8083	End	9479
GI	none	Score	191
Exons	8083..8238, 8084..8239, 8341..8439, 8346..8717, 8515..8697, 8801..8983, 8802..8996, 9075..9131, 9077..9232, 9193..9228, 9327..9479, 9328..9435, 9341..9451		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-
Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o1.ts	Method	TBLASTX:Soybean
Start	8092	End	9467
GI	none	Score	124
Exons	8092..8238, 8096..8239, 8096..8239, 8346..8702, 8804..8986, 8805..8984, 9077..9229, 9090..9128, 9327..9467, 9328..9420, 9440..9451		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-
Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o1.tw	Method	TBLASTX:Wheat
Start	8107	End	8567
GI	none	Score	106
Exons	8107..8238, 8126..8239, 8346..8420, 8359..8421, 8424..8567		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-
Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o1.tc	Method	TBLASTX:Cress

Start	8804	End	9423
GI	none	Score	124
Exons	8804..8986, 8805..8978, 9075..9125, 9077..9229, 9327..9422, 9328..9423		

Seq. No.	12430	Seq. ID	OJ990910_18.9C14.C2
Gene No.	26307	Strand	-
Start	7557	End	9570
Name	OJ990910_18.9C14.C2.o2.gp	Method	AAT/GAP
Start	9180	End	9570
GI	none	Score	454
Exons	9180..9231, 9326..9570		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26308	Strand	+
Start	1	End	333
Name	OJ990910_18.9C14.C3.o1.np	Method	AAT/NAP
Start	1	End	333
GI	5922623	Score	91
Exons	1..90, 258..333		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26309	Strand	+
Start	1149	End	4564
Name	OJ990910_18.9C14.C3.o2.np	Method	AAT/NAP
Start	1149	End	4564
GI	5803259	Score	4975
Exons	1149..2410, 2506..2678, 2763..2956, 3032..4564		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26310	Strand	+
Start	15914	End	22023
Name	OJ990910_18.9C14.C3.o5.np	Method	AAT/NAP
Start	15914	End	19241
GI	4680186	Score	175
Exons	15914..16052, 17438..17508, 17576..17678, 18254..18392, 19211..19241		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26310	Strand	+
Start	15914	End	22023
Name	OJ990910_18.9C14.C3.o6.np	Method	AAT/NAP
Start	18254	End	19881
GI	6907088	Score	228
Exons	18254..18395, 18623..18848, 19470..19881		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26310	Strand	+
Start	15914	End	22023
Name	OJ990910_18.9C14.C3.o5.gs	Method	GENSCAN
Start	18729	End	22023

GI	none	Score	.45
Exons	18729..18864, 19005..19093, 20185..20307, 20559..20636, 21465..21556, 21759..21809, 21849..22023		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26311	Strand	+
Start	22457	End	31746
Name	OJ990910_18.9C14.C3.o7.np	Method	AAT/NAP
Start	22457	End	31746
GI	3063699	Score	112
Exons	22457..22972, 28306..28529, 31711..31746		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26311	Strand	+
Start	22457	End	31746
Name	OJ990910_18.9C14.C3.o2.gp	Method	AAT/GAP
Start	23360	End	23440
GI	LIB3434-017-P1-K1-F5	Score	91
Exons	23360..23440		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26312	Strand	+
Start	37043	End	37834
Name	OJ990910_18.9C14.C3.o8.gs	Method	GENSCAN
Start	37043	End	37834
GI	none	Score	.51
Exons	37043..37146, 37714..37834		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26313	Strand	-
Start	4575	End	5030
Name	OJ990910_18.9C14.C3.o1.gp	Method	AAT/GAP
Start	4575	End	5030
GI	2428323	Score	824
Exons	4575..5030		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26314	Strand	-
Start	5188	End	10596
Name	OJ990910_18.9C14.C3.o2.gs	Method	GENSCAN
Start	5188	End	6966
GI	none	Score	.96
Exons	5188..6966		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26314	Strand	-
Start	5188	End	10596
Name	OJ990910_18.9C14.C3.o3.np	Method	AAT/NAP
Start	5191	End	10596
GI	6498441	Score	6365
Exons	5191..5472, 5566..7073, 7223..7808, 7983..8117, 8301..8674, 8738..9201, 9532..10596		

GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26315	Strand	-
Start	14351	End	16844
Name	OJ990910_18.9C14.C3.o4.np	Method	AAT/NAP
Start	14347	End	16820
GI	4826399	Score	1011
Exons	14347..15604, 15707..15802, 15899..16820		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		
Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26315	Strand	-
Start	14351	End	16844
Name	OJ990910_18.9C14.C3.o4.gs	Method	GENSCAN
Start	14351	End	16844
GI	none	Score	.87
Exons	14351..15504, 15635..15802, 15899..16844		
Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o7.tw	Method	TBLASTX:Wheat
Start	5200	End	5802
GI	none	Score	81
Exons	5200..5325, 5204..5326, 5518..5802, 5519..5662, 5699..5797, 5727..5798		
Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o5.tw	Method	TBLASTX:Wheat
Start	5803	End	6184
GI	none	Score	169
Exons	5803..6183, 5834..6082, 5842..6183, 6128..6184		
Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o4.tm	Method	TBLASTX:Maize
Start	5998	End	6321
GI	none	Score	204
Exons	5998..6321, 6011..6292		
Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o9.tw	Method	TBLASTX:Wheat
Start	6514	End	6835
GI	none	Score	77
Exons	6514..6774, 6650..6835		
Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511

Name	OJ990910_18.9C14.C3.o2.ts	Method	TBLASTX:Soybean
Start	7645	End	8017
GI	none	Score	90
Exons	7645..7701, 7691..8017, 7857..8000		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o2.tw	Method	TBLASTX:Wheat
Start	7677	End	8096
GI	none	Score	302
Exons	7677..8096, 7691..8095		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o5.tm	Method	TBLASTX:Maize
Start	7769	End	8153
GI	none	Score	228
Exons	7769..8152, 7788..8153		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o3.tm	Method	TBLASTX:Maize
Start	8180	End	8536
GI	none	Score	128
Exons	8180..8485, 8180..8536, 8190..8501		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o1.tw	Method	TBLASTX:Wheat
Start	8204	End	8666
GI	none	Score	228
Exons	8204..8665, 8210..8665, 8211..8666		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o3.ts	Method	TBLASTX:Soybean
Start	8261	End	8626
GI	none	Score	117
Exons	8261..8395, 8402..8626		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o3.tw	Method	TBLASTX:Wheat
Start	8858	End	9317
GI	none	Score	167
Exons	8858..9316, 8862..9122, 9180..9317		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o6.tw	Method	TBLASTX:Wheat

Start	10055	End	10447
GI	none	Score	96
Exons	10055..10312, 10089..10328, 10295..10393, 10296..10388, 10400..10447		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o6.tm	Method	TBLASTX:Maize
Start	10157	End	10442
GI	none	Score	91
Exons	10157..10405, 10158..10442		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o1.tm	Method	TBLASTX:Maize
Start	14477	End	15470
GI	none	Score	298
Exons	14477..15439, 14487..14984, 14705..15193, 15081..15260, 15350..15469, 15402..15470		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o1.tc	Method	TBLASTX:Cress
Start	14504	End	16751
GI	none	Score	71
Exons	14504..15448, 14505..14633, 14618..14734, 14661..14984, 14756..14998, 15074..15196, 15084..15254, 15339..15473, 15903..15995, 16056..16172, 16209..16304, 16650..16751		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o1.ts	Method	TBLASTX:Soybean
Start	14678	End	15454
GI	none	Score	189
Exons	14678..15247, 14733..14987, 15084..15209, 15215..15370, 15389..15454		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o8.tw	Method	TBLASTX:Wheat
Start	14738	End	14989
GI	none	Score	94
Exons	14738..14857, 14739..14852, 14858..14989, 14859..14987		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o4.tw	Method	TBLASTX:Wheat
Start	14990	End	15352
GI	none	Score	142
Exons	14990..15352, 15057..15257		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26316	Strand	-
Start	22710	End	28511
Name	OJ990910_18.9C14.C3.o6.gs	Method	GENSCAN
Start	22710	End	28511
GI	none	Score	.67
Exons	22710..23139, 23878..23992, 24447..24557, 25106..25351, 26228..26312, 28062..28103, 28290..28511		

Seq. No.	12431	Seq. ID	OJ990910_18.9C14.C3
Gene No.	26317	Strand	
Start	29873	End	31004
Name	OJ990910_18.9C14.C3.o2.tm	Method	TBLASTX:Maize
Start	29873	End	31004
GI	none	Score	169
Exons	29873..30022, 29880..30044, 29881..30054, 29881..30045, 30064..30138, 30065..30139, 30072..30137, 30073..30141, 30142..30222, 30149..30199, 30194..30244, 30197..30295, 30240..30359, 30253..30333, 30258..30335, 30338..30466, 30348..30464, 30474..30542, 30480..30542, 30484..30546, 30485..30544, 30724..30825, 30907..31002, 30909..31004		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26318	Strand	+
Start	729	End	881
Name	OJ990910_18.9C14.C4.o1.gs	Method	GENSCAN
Start	729	End	881
GI	none	Score	.77
Exons	729..881		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26319	Strand	+
Start	9697	End	10337
Name	OJ990910_18.9C14.C4.o1.np	Method	AAT/NAP
Start	9697	End	10337
GI	3746060	Score	609
Exons	9697..10337		
GI Descrip.	(AC005311) unknown protein [Arabidopsis thaliana]		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26320	Strand	-
Start	1487	End	6292
Name	OJ990910_18.9C14.C4.o2.gs	Method	GENSCAN
Start	1487	End	6292
GI	none	Score	.52
Exons	1487..1757, 1890..1939, 1971..2058, 3142..3323, 6212..6292		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26321	Strand	-
Start	9042	End	10372
Name	OJ990910_18.9C14.C4.o3.gs	Method	GENSCAN
Start	9042	End	10372
GI	none	Score	.78
Exons	9042..9253, 9356..9450, 9670..9865, 9966..10098, 10163..10372		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26321	Strand	-

Start	9042	End	10372
Name	OJ990910_18.9C14.C4.o1.tm	Method	TBLASTX:Maize
Start	9806	End	10063
GI	none	Score	262
Exons	9806..9991, 9807..10061, 9962..10063, 9964..10053		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26321	Strand	-
Start	9042	End	10372
Name	OJ990910_18.9C14.C4.o1.tc	Method	TBLASTX:Cress
Start	9845	End	10231
GI	none	Score	196
Exons	9845..9988, 9846..10013, 9989..10117, 10103..10231		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26321	Strand	-
Start	9042	End	10372
Name	OJ990910_18.9C14.C4.o1.ts	Method	TBLASTX:Soybean
Start	9846	End	10016
GI	none	Score	303
Exons	9846..10016, 9854..9994		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26321	Strand	-
Start	9042	End	10372
Name	OJ990910_18.9C14.C4.o2.ts	Method	TBLASTX:Soybean
Start	10058	End	10231
GI	none	Score	247
Exons	10058..10231, 10121..10186, 10186..10224		

Seq. No.	12432	Seq. ID	OJ990910_18.9C14.C4
Gene No.	26321	Strand	-
Start	9042	End	10372
Name	OJ990910_18.9C14.C4.o2.tm	Method	TBLASTX:Maize
Start	10064	End	10231
GI	none	Score	226
Exons	10064..10231		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26322	Strand	+
Start	825	End	1657
Name	OJ990910_18.9C14.C5.o1.gs	Method	GENSCAN
Start	825	End	1657
GI	none	Score	.82
Exons	825..886, 1519..1657		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26323	Strand	+
Start	2936	End	3430
Name	OJ990910_18.9C14.C5.o1.gp	Method	AAT/GAP
Start	2936	End	3430
GI	none	Score	910
Exons	2936..3430		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26324	Strand	+
Start	13270	End	13473

Name	OJ990910_18.9C14.C5.o4.gs	Method	GENSCAN
Start	13270	End	13473
GI	none	Score	.42
Exons	13270..13473		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26325	Strand	-
Start	3064	End	5483
Name	OJ990910_18.9C14.C5.o2.gs	Method	GENSCAN
Start	3064	End	5483
GI	none	Score	1
Exons	3064..3573, 3946..4232, 5285..5483		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26325	Strand	-
Start	3064	End	5483
Name	OJ990910_18.9C14.C5.o1.np	Method	AAT/NAP
Start	3068	End	5468
GI	5679845	Score	424
Exons	3068..3463, 3528..3573, 3914..4288, 5266..5468		
GI Descrip.	(AJ243961) 11332.9 [Oryza sativa]		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26325	Strand	-
Start	3064	End	5483
Name	OJ990910_18.9C14.C5.o1.tw	Method	TBLASTX:Wheat
Start	3952	End	4209
GI	none	Score	78
Exons	3952..4056, 3980..4060, 4102..4209, 4112..4207		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26325	Strand	-
Start	3064	End	5483
Name	OJ990910_18.9C14.C5.o1.tc	Method	TBLASTX:Cress
Start	3958	End	5462
GI	none	Score	93
Exons	3958..4062, 3968..4063, 4090..4227, 4112..4213, 5286..5324, 5382..5462		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26325	Strand	-
Start	3064	End	5483
Name	OJ990910_18.9C14.C5.o1.tm	Method	TBLASTX:Maize
Start	3967	End	5462
GI	none	Score	93
Exons	3967..4092, 3980..4081, 4079..4228, 4096..4227, 4124..4228, 5286..5330, 5382..5456, 5382..5462		

Seq. No.	12433	Seq. ID	OJ990910_18.9C14.C5
Gene No.	26325	Strand	-
Start	3064	End	5483
Name	OJ990910_18.9C14.C5.o1.ts	Method	TBLASTX:Soybean
Start	3967	End	5471
GI	none	Score	102
Exons	3967..4071, 3968..4063, 4090..4227, 4097..4213, 5286..5330, 5286..5324, 5382..5471, 5389..5454		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26326	Strand	+
Start	1205	End	1434
Name	OJ990910_18.9C14.C6.o1.gs	Method	GENSCAN
Start	1205	End	1434
GI	none	Score	.49
Exons	1205..1434		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26327	Strand	+
Start	15162	End	15703
Name	OJ990910_18.9C14.C6.o5.gp	Method	AAT/GAP
Start	15162	End	15703
GI	none	Score	988
Exons	15162..15703		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o2.gs	Method	GENSCAN
Start	3358	End	17364
GI	none	Score	.65
Exons	3358..3902, 4134..4218, 5861..5944, 6046..6291, 6500..6597, 6721..6864, 7708..7860, 8005..8127, 8268..8467, 8541..8644, 9175..9270, 9648..9853, 10989..11079, 11158..11509, 11635..11954, 12137..12468, 12600..12936, 13176..13248, 13920..14122, 14400..14471, 15058..15182, 15564..15873, 15999..16105, 16170..16230, 16315..16388, 16514..16640, 16736..16820, 16929..16992, 17072..17133, 17294..17364		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o1.np	Method	AAT/NAP
Start	5843	End	9738
GI	4490706	Score	979
Exons	5843..5944, 6046..6291, 6500..6610, 6695..6909, 7741..7860, 8005..8127, 8268..8467, 8541..8644, 9175..9270, 9648..9738		
GI Descrip.	(AL035680) putative protein [Arabidopsis thaliana]		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o6.tm	Method	TBLASTX:Maize
Start	5855	End	8307
GI	none	Score	84
Exons	5855..5947, 6064..6195, 7758..7862, 7760..7861, 7781..7882, 8003..8131, 8004..8132, 8266..8307		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o5.tm	Method	TBLASTX:Maize
Start	6211	End	6812
GI	none	Score	90
Exons	6211..6306, 6227..6292, 6486..6599, 6497..6598, 6501..6599, 6502..6600, 6692..6811, 6712..6810, 6723..6812		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o3.ts	Method	TBLASTX:Soybean
Start	6722	End	8419
GI	none	Score	67
Exons	6722..6826, 6723..6827, 7758..7862, 7760..7861, 8003..8131, 8003..8131, 8004..8132, 8266..8307, 8353..8418, 8354..8419		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o7.tm	Method	TBLASTX:Maize
Start	8387	End	9267
GI	none	Score	68
Exons	8387..8461, 8389..8469, 8540..8683, 8541..8651, 9175..9267		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o2.gp	Method	AAT/GAP
Start	8582	End	9929
GI	uC-osf1M202046e10b1	Score	826
Exons	8582..8644, 9175..9270, 9648..9929		
GI Descrip.	'4490706/emb|CAB38840.1| 1.0e-19 (AL035680) putative protein [Arabidopsis thaliana]'		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o2.np	Method	AAT/NAP
Start	9296	End	14631
GI	6323172	Score	353
Exons	9296..9375, 11816..11967, 12137..12460, 12633..12965, 13167..13248, 13525..13626, 13797..14074, 14175..14264, 14400..14471, 14554..14631		
GI Descrip.	Ylr143wp gi|2131787|pir||S64985 hypothetical protein YLR143w - yeast (Saccharomyces cerevisiae) gi|1256896 (U53881) Ylr143wp [Saccharomyces cerevisiae] gi|1360566|emb|CAA97715| (Z73315) ORF YLR143w [Saccharomyces cerevisiae]		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o3.gp	Method	AAT/GAP
Start	10600	End	11321
GI	none	Score	1220
Exons	10600..11079, 11158..11321		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o2.tm	Method	TBLASTX:Maize
Start	11670	End	11948
GI	none	Score	270
Exons	11670..11948, 11671..11940, 11676..11948		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o4.tm	Method	TBLASTX:Maize
Start	12315	End	13238
GI	none	Score	236
Exons	12315..12470, 12317..12475, 12317..12478, 12616..12696, 12618..12704, 12618..12704, 12722..12961, 12723..12959, 12724..12972, 13176..13238, 13176..13238		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o4.gp	Method	AAT/GAP
Start	12412	End	13215
GI	none	Score	778
Exons	12412..12468, 12600..12936, 13176..13215		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o3.tm	Method	TBLASTX:Maize
Start	13840	End	14429
GI	none	Score	170
Exons	13840..14082, 13868..14083, 13869..14084, 14181..14264, 14183..14260, 14185..14265, 14211..14264, 14397..14429		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o2.tc	Method	TBLASTX:Cress
Start	13886	End	14610
GI	none	Score	201
Exons	13886..14077, 13887..14060, 13889..14083, 14181..14258, 14182..14265, 14211..14264, 14394..14474, 14397..14474, 14554..14610		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o2.ts	Method	TBLASTX:Soybean
Start	13922	End	14616
GI	none	Score	152
Exons	13922..14083, 13923..14063, 14181..14264, 14182..14265, 14211..14264, 14397..14462, 14406..14441, 14554..14616, 14554..14610		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o3.np	Method	AAT/NAP
Start	15565	End	17364
GI	4204297	Score	685
Exons	15565..16081, 16329..16388, 16514..16640, 16736..16820, 16929..16992, 17072..17133, 17294..17364		
GI Descrip.	(AC003027) ADK1 [Arabidopsis thaliana]		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o1.tm	Method	TBLASTX:Maize
Start	15607	End	17368
GI	none	Score	92
Exons	15607..15687, 15617..15688, 15696..15872, 15708..15872, 15736..15873, 15737..15874, 15957..15995, 16020..16085, 16020..16085, 16021..16086, 16168..16236, 16169..16225, 16169..16237, 16174..16227, 16313..16390, 16315..16398, 16316..16390, 16512..16640, 16513..16641, 16516..16641, 16718..16822, 16734..16823, 16734..16823, 16735..16845, 16925..17005, 16929..16994, 17067..17135, 17073..17135, 17074..17139, 17077..17139, 17291..17368, 17293..17367, 17294..17368		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o6.gp	Method	AAT/GAP
Start	15775	End	17368
GI	16983_1.R1084	Score	1254
Exons	15775..15873, 15999..16085, 16168..16230, 16315..16388, 16514..16640, 16736..16820, 16929..16992, 17072..17133, 17294..17368		
GI Descrip.	'1197461/emb|CAA55396| i.0e-127 (X78819) casein kinase I [Arabidopsis thaliana]'		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o1.tc	Method	TBLASTX:Cress
Start	16328	End	17367
GI	none	Score	76
Exons	16328..16390, 16330..16398, 16333..16407, 16512..16640, 16513..16641, 16516..16641, 16695..16817, 16718..16822, 16734..16835, 16925..16993, 16929..16997, 17061..17129, 17073..17135, 17077..17136, 17291..17365, 17293..17367		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o1.ts	Method	TBLASTX:Soybean
Start	16328	End	17367
GI	none	Score	64
Exons	16328..16390, 16333..16398, 16502..16618, 16512..16640, 16513..16641, 16519..16650, 16521..16643, 16541..16666, 16718..16822, 16734..16823, 16920..16997, 16920..16988, 16925..16993, 16942..17001, 17061..17129, 17073..17135, 17077..17139, 17077..17139, 17277..17348, 17291..17365, 17293..17367		

Seq. No.	12434	Seq. ID	OJ990910_18.9C14.C6
Gene No.	26328	Strand	-
Start	3358	End	17368
Name	OJ990910_18.9C14.C6.o1.tw	Method	TBLASTX:Wheat

Start	16536	End	17102
GI	none	Score	88
Exons	16536..16637, 16537..16623, 16730..16822, 16737..16823, 16920..16997, 16925..16993, 17073..17102		

Seq. No.	12435	Seq. ID	OJ990910_18.9C14.C7
Gene No.	26329	Strand	-
Start	1	End	761
Name	OJ990910_18.9C14.C7.o1.np	Method	AAT/NAP
Start	1	End	746
GI	1076386	Score	410
Exons	1..20, 174..279, 416..564, 677..746		
GI Descrip.	protein kinase ADK1 - Arabidopsis thaliana gi|1216484 (U48779) dual specificity kinase 1 [Arabidopsis thaliana]		

Seq. No.	12435	Seq. ID	OJ990910_18.9C14.C7
Gene No.	26329	Strand	-
Start	1	End	761
Name	OJ990910_18.9C14.C7.o1.tc	Method	TBLASTX:Cress
Start	171	End	761
GI	none	Score	58
Exons	171..272, 175..279, 180..245, 181..279, 182..280, 413..562, 423..563, 454..567, 666..761, 674..712, 675..755		

Seq. No.	12435	Seq. ID	OJ990910_18.9C14.C7
Gene No.	26329	Strand	-
Start	1	End	761
Name	OJ990910_18.9C14.C7.o1.gp	Method	AAT/GAP
Start	178	End	537
GI	16983_1.R1084	Score	358
Exons	178..279, 416..537		
GI Descrip.	'1197461/emb|CAA55396| 1.0e-127 (X78819) casein kinase I [Arabidopsis thaliana]'		

Seq. No.	12435	Seq. ID	OJ990910_18.9C14.C7
Gene No.	26329	Strand	-
Start	1	End	761
Name	OJ990910_18.9C14.C7.o1.ts	Method	TBLASTX:Soybean
Start	181	End	756
GI	none	Score	101
Exons	181..279, 182..280, 408..563, 413..580, 413..562, 675..755, 676..756		

Seq. No.	12435	Seq. ID	OJ990910_18.9C14.C7
Gene No.	26329	Strand	-
Start	1	End	761
Name	OJ990910_18.9C14.C7.o1.gs	Method	GENSCAN
Start	184	End	746
GI	none	Score	.9
Exons	184..279, 416..564, 677..746		

Seq. No.	12435	Seq. ID	OJ990910_18.9C14.C7
Gene No.	26329	Strand	-
Start	1	End	761
Name	OJ990910_18.9C14.C7.o1.tm	Method	TBLASTX:Maize
Start	187	End	577
GI	none	Score	86

Exons	187..279, 191..280, 408..563, 413..562, 416..577		
Seq. No.	12436	Seq. ID	OJ990910_18.9C14.C9
Gene No.	26330	Strand	-
Start	77	End	509
Name	OJ990910_18.9C14.C9.o1.gp	Method	AAT/GAP
Start	77	End	509
GI	none	Score	781
Exons	77..509		
Seq. No.	12437	Seq. ID	OJ990910_18.9C14.C10
Gene No.	26331	Strand	-
Start	335	End	510
Name	OJ990910_18.9C14.C10.o1.gs	Method	GENSCAN
Start	335	End	510
GI	none	Score	.55
Exons	335..510		
Seq. No.	12438	Seq. ID	OJ990910_18.9C14.C11
Gene No.	26332	Strand	+
Start	1	End	1066
Name	OJ990910_18.9C14.C11.o1.np	Method	AAT/NAP
Start	1	End	1066
GI	5091513	Score	1491
Exons	1..1066		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	12439	Seq. ID	OJ990830_10.9C13.C1
Gene No.	26333	Strand	-
Start	1	End	716
Name	OJ990830_10.9C13.C1.o1.np	Method	AAT/NAP
Start	1	End	716
GI	4680179	Score	1003
Exons	1..716		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	12439	Seq. ID	OJ990830_10.9C13.C1
Gene No.	26333	Strand	-
Start	1	End	716
Name	OJ990830_10.9C13.C1.o1.gs	Method	GENSCAN
Start	28	End	663
GI	none	Score	.73
Exons	28..663		
Seq. No.	12439	Seq. ID	OJ990830_10.9C13.C1
Gene No.	26333	Strand	-
Start	1	End	716
Name	OJ990830_10.9C13.C1.o1.tm	Method	TBLASTX:Maize
Start	140	End	436
GI	none	Score	103
Exons	140..436, 249..419		
Seq. No.	12439	Seq. ID	OJ990830_10.9C13.C1
Gene No.	26333	Strand	-
Start	1	End	716
Name	OJ990830_10.9C13.C1.o1.tw	Method	TBLASTX:Wheat
Start	314	End	680

GI	none	Score	57
Exons	314..463, 314..676, 318..680		
Seq. No.	12440	Seq. ID	OJ990830_10.9C13.C2
Gene No.	26334	Strand	+
Start	362	End	526
Name	OJ990830_10.9C13.C2.o1.gs	Method	GENSCAN
Start	362	End	526
GI	none	Score	.51
Exons	362..526		
Seq. No.	12441	Seq. ID	OJ990830_10.9C13.C4
Gene No.	26335	Strand	+
Start	613	End	841
Name	OJ990830_10.9C13.C4.o1.gp	Method	AAT/GAP
Start	613	End	841
GI	none	Score	426
Exons	613..841		
Seq. No.	12442	Seq. ID	OJ990830_10.9C13.C6
Gene No.	26336	Strand	+
Start	843	End	2303
Name	OJ990830_10.9C13.C6.o1.gs	Method	GENSCAN
Start	843	End	2303
GI	none	Score	.85
Exons	843..1243, 1306..2180, 2213..2303		
Seq. No.	12442	Seq. ID	OJ990830_10.9C13.C6
Gene No.	26336	Strand	+
Start	843	End	2303
Name	OJ990830_10.9C13.C6.o1.np	Method	AAT/NAP
Start	911	End	2220
GI	4160441	Score	634
Exons	911..1596, 1635..2220		
GI Descrip.	(AF098674) lateral suppressor protein [Lycopersicon esculentum]		
Seq. No.	12442	Seq. ID	OJ990830_10.9C13.C6
Gene No.	26337	Strand	-
Start	5410	End	5433
Name	OJ990830_10.9C13.C6.o1.tc	Method	TBLASTX:Cress
Start	1288	End	2229
GI	none	Score	147
Exons	1288..1452, 1468..1587, 1882..1986, 2128..2229		
Seq. No.	12442	Seq. ID	OJ990830_10.9C13.C6
Gene No.	26337	Strand	-
Start	5410	End	5433
Name	OJ990830_10.9C13.C6.o1.ts	Method	TBLASTX:Soybean
Start	1288	End	1752
GI	none	Score	154
Exons	1288..1452, 1311..1430, 1504..1578, 1681..1752		
Seq. No.	12442	Seq. ID	OJ990830_10.9C13.C6
Gene No.	26337	Strand	-
Start	5410	End	5433
Name	OJ990830_10.9C13.C6.o1.tm	Method	TBLASTX:Maize
Start	1764	End	1980

GI	none	Score	86
Exons	1764..1823, 1765..1824, 1846..1980, 1923..1976		

Seq. No.	12442	Seq. ID	OJ990830_10.9C13.C6
Gene No.	26337	Strand	-
Start	5410	End	5433
Name	OJ990830_10.9C13.C6.o2.gs	Method	GENSCAN
Start	5410	End	5433
GI	none	Score	.69
Exons	5410..5433		

Seq. No.	12443	Seq. ID	OJ990830_10.9C13.C7
Gene No.	26338	Strand	-
Start	506	End	589
Name	OJ990830_10.9C13.C7.o1.gp	Method	AAT/GAP
Start	506	End	589
GI	72424_1.R1084	Score	93
Exons	506..589		
GI Descrip.	'2842493/emb|CAA16890.1| 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	12444	Seq. ID	OJ990830_10.9C13.C8
Gene No.	26339	Strand	+
Start	152	End	274
Name	OJ990830_10.9C13.C8.o1.tm	Method	TBLASTX:Maize
Start	2	End	271
GI	none	Score	144
Exons	2..148, 14..148, 173..271		

Seq. No.	12444	Seq. ID	OJ990830_10.9C13.C8
Gene No.	26339	Strand	+
Start	152	End	274
Name	OJ990830_10.9C13.C8.o1.gs	Method	GENSCAN
Start	152	End	274
GI	none	Score	.88
Exons	152..274		

Seq. No.	12445	Seq. ID	OJ990830_10.9C13.C9
Gene No.	26340	Strand	+
Start	635	End	1503
Name	OJ990830_10.9C13.C9.o1.gs	Method	GENSCAN
Start	635	End	1503
GI	none	Score	.74
Exons	635..738, 1375..1503		

Seq. No.	12445	Seq. ID	OJ990830_10.9C13.C9
Gene No.	26341	Strand	-
Start	3366	End	10968
Name	OJ990830_10.9C13.C9.o2.gs	Method	GENSCAN
Start	3366	End	3938
GI	none	Score	.75
Exons	3366..3509, 3744..3938		

Seq. No.	12445	Seq. ID	OJ990830_10.9C13.C9
Gene No.	26341	Strand	-
Start	3366	End	10968
Name	OJ990830_10.9C13.C9.o1.np	Method	AAT/NAP

Start	3588	End	10968
GI	6166555	Score	724
Exons	3588..3645, 5645..5731, 5903..5970, 6062..6280, 6490..6530, 6833..6882, 6960..7048, 7130..7204, 7632..7729, 8834..8894, 8973..9097, 9173..9214, 9284..9496, 9718..9775, 10841..10968		
GI Descrip.	MLO PROTEIN HOMOLOG 1 (ATMLO-H1) gi|2765817|emb|CAB08605| (Z95352) AtMlo-h1 [Arabidopsis thaliana] gi|3892049|gb|AAC78258.1|AAC78258 (AC002330) AtMlo-h1 [Arabidopsis thaliana]		

Seq. No.	12445	Seq. ID	OJ990830_10.9C13.C9
Gene No.	26341	Strand	-
Start	3366	End	10968
Name	OJ990830_10.9C13.C9.o3.gs	Method	GENSCAN
Start	4233	End	10951
GI	none	Score	.61
Exons	4233..4340, 4641..4852, 4952..5222, 5671..5731, 5971..6097, 6592..6628, 7130..7204, 7632..7754, 9342..9496, 9649..9775, 10380..10550, 10619..10951		

Seq. No.	12445	Seq. ID	OJ990830_10.9C13.C9
Gene No.	26341	Strand	-
Start	3366	End	10968
Name	OJ990830_10.9C13.C9.o1.tm	Method	TBLASTX:Maize
Start	5662	End	6223
GI	none	Score	70
Exons	5662..5727, 5666..5725, 5896..5967, 5902..5961, 6011..6166, 6062..6223, 6063..6176		

Seq. No.	12445	Seq. ID	OJ990830_10.9C13.C9
Gene No.	26341	Strand	-
Start	3366	End	10968
Name	OJ990830_10.9C13.C9.o1.ts	Method	TBLASTX:Soybean
Start	5662	End	10948
GI	none	Score	55
Exons	5662..5730, 5902..5970, 5903..5971, 6059..6235, 6060..6176, 6218..6292, 6493..6567, 6796..6897, 6870..6896, 6960..7010, 6962..7057, 6964..7032, 7136..7204, 7145..7192, 8853..8894, 8970..9095, 9385..9507, 9393..9497, 10841..10948		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26342	Strand	+
Start	8591	End	10715
Name	OJ990830_10.9C13.C10.o2.gs	Method	GENSCAN
Start	8591	End	10715
GI	none	Score	.52
Exons	8591..8932, 10710..10715		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26343	Strand	+
Start	12353	End	13636
Name	OJ990830_10.9C13.C10.o2.np	Method	AAT/NAP
Start	11139	End	13636
GI	2541876	Score	934
Exons	11139..11164, 12352..13636		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26343	Strand	+
Start	12353	End	13636
Name	OJ990830_10.9C13.C10.o1.gp	Method	AAT/GAP
Start	12231	End	12523
GI	568824	Score	559
Exons	12231..12523		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26343	Strand	+
Start	12353	End	13636
Name	OJ990830_10.9C13.C10.o3.gs	Method	GENSCAN
Start	12353	End	13636
GI	none	Score	.84
Exons	12353..13636		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26344	Strand	+
Start	20336	End	23257
Name	OJ990830_10.9C13.C10.o4.np	Method	AAT/NAP
Start	20336	End	22643
GI	4455199	Score	1235
Exons	20336..20407, 20577..20793, 20872..21146, 21503..21718, 21825..21980, 22057..22368, 22459..22643		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26344	Strand	+
Start	20336	End	23257
Name	OJ990830_10.9C13.C10.o5.gs	Method	GENSCAN
Start	20622	End	23257
GI	none	Score	.83
Exons	20622..20780, 20889..21146, 21503..21718, 21825..21980, 22057..22368, 22459..22546, 22726..22874, 22967..23257		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26345	Strand	-
Start	1602	End	7688
Name	OJ990830_10.9C13.C10.o1.np	Method	AAT/NAP
Start	1450	End	1923
GI	6069646	Score	169
Exons	1450..1923		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26345	Strand	-
Start	1602	End	7688
Name	OJ990830_10.9C13.C10.o1.gs	Method	GENSCAN
Start	1602	End	7688
GI	none	Score	.45
Exons	1602..1959, 3490..3701, 3727..4034, 6121..6146, 7429..7688		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o2.tw	Method	TBLASTX:Wheat
Start	1579	End	1929
GI	none	Score	72
Exons	1579..1617, 1735..1929, 1745..1927		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o7.tm	Method	TBLASTX:Maize
Start	1657	End	1924
GI	none	Score	67
Exons	1657..1689, 1717..1923, 1829..1924		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o2.ts	Method	TBLASTX:Soybean
Start	12599	End	13638
GI	none	Score	238
Exons	12599..12826, 12676..12759, 12845..13114, 12853..12975, 13163..13303, 13219..13317, 13357..13638, 13373..13633		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o3.tc	Method	TBLASTX:Cress
Start	12599	End	13636
GI	none	Score	124
Exons	12599..12718, 12728..12970, 12736..12975, 13373..13501, 13517..13636		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o6.tm	Method	TBLASTX:Maize
Start	12599	End	12913
GI	none	Score	244
Exons	12599..12847, 12845..12913		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o2.tm	Method	TBLASTX:Maize
Start	12920	End	13288
GI	none	Score	207
Exons	12920..13123, 12922..13119, 13042..13116, 13148..13288, 13178..13255, 13219..13284		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o5.tm	Method	TBLASTX:Maize
Start	13403	End	13636
GI	none	Score	282

Exons	13403..13636, 13414..13635		
Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o4.gs	Method	GENSCAN
Start	14481	End	17968
GI	none	Score	.51
Exons	14481..14751, 14894..14920, 15389..15734, 16873..17047, 17403..17445, 17886..17968		
Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o3.np	Method	AAT/NAP
Start	16994	End	25168
GI	5042454	Score	196
Exons	16994..17054, 17409..17575, 24995..25168		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o3.tm	Method	TBLASTX:Maize
Start	20317	End	20915
GI	none	Score	116
Exons	20317..20409, 20318..20386, 20320..20406, 20562..20777, 20569..20781, 20569..20775, 20571..20780, 20888..20914, 20889..20915		
Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o3.ts	Method	TBLASTX:Soybean
Start	20558	End	20945
GI	none	Score	99
Exons	20558..20695, 20562..20699, 20571..20693, 20572..20715, 20691..20780, 20889..20945		
Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o2.tc	Method	TBLASTX:Cress
Start	20562	End	21553
GI	none	Score	240
Exons	20562..20780, 20888..20944, 20889..20948, 20940..21041, 20943..21041, 21006..21146, 21026..21145, 21500..21553		
Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o1.tw	Method	TBLASTX:Wheat
Start	20904	End	21679
GI	none	Score	230
Exons	20904..21158, 20943..21065, 20984..21145, 21500..21679, 21502..21657		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o1.tm	Method	TBLASTX:Maize
Start	20916	End	23113
GI	none	Score	218
Exons	20916..21158, 20916..21068, 20918..21145, 21500..21721, 21502..21657, 21807..21980, 21826..21984, 21851..21979, 22048..22362, 22054..22368, 22224..22370, 22316..22369, 22456..22551, 22458..22544, 22459..22545, 22717..22827, 22731..22877, 22740..22838, 22741..22884, 22964..23113		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o1.ts	Method	TBLASTX:Soybean
Start	20976	End	22377
GI	none	Score	74
Exons	20976..21053, 21063..21146, 21489..21674, 21500..21721, 21500..21649, 21502..21654, 21822..21980, 21830..21979, 21852..21983, 22049..22183, 22049..22183, 22054..22377, 22054..22377		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o4.tc	Method	TBLASTX:Cress
Start	21554	End	21929
GI	none	Score	158
Exons	21554..21721, 21554..21655, 21559..21657, 21580..21732, 21816..21929, 21845..21922		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o1.tc	Method	TBLASTX:Cress
Start	21938	End	22368
GI	none	Score	49
Exons	21938..21979, 21939..21980, 22054..22368, 22054..22362		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o5.tc	Method	TBLASTX:Cress
Start	22964	End	23221
GI	none	Score	164
Exons	22964..23131, 23026..23109, 23179..23208, 23180..23221		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o4.tm	Method	TBLASTX:Maize
Start	24076	End	24843
GI	none	Score	41
Exons	24076..24099, 24149..24175, 24292..24339, 24299..24334, 24422..24466, 24460..24483, 24578..24661, 24607..24690, 24715..24843, 24716..24841		

Seq. No.	12446	Seq. ID	OJ990830_10.9C13.C10
Gene No.	26346	Strand	-
Start	14481	End	26048
Name	OJ990830_10.9C13.C10.o6.gs	Method	GENSCAN
Start	24078	End	26048
GI	none	Score	.94
Exons	24078..24173, 24301..24840, 24995..25216, 25293..25739, 25962..26048		

Seq. No.	12447	Seq. ID	OJ990830_10.9C13.C11
Gene No.	26347	Strand	-
Start	258	End	1126
Name	OJ990830_10.9C13.C11.o1.gs	Method	GENSCAN
Start	258	End	1126
GI	none	Score	.64
Exons	258..342, 948..1126		

Seq. No.	12448	Seq. ID	OJ990830_10.9C13.C12
Gene No.	26348	Strand	+
Start	514	End	2052
Name	OJ990830_10.9C13.C12.o1.tm	Method	TBLASTX:Maize
Start	495	End	2028
GI	none	Score	310
Exons	495..713, 505..714, 1075..1170, 1091..1168, 1126..1170, 1169..1288, 1170..1271, 1170..1289, 1171..1308, 1534..1713, 1541..1714, 1541..1714, 1928..2005, 1929..2006, 1929..2027, 1930..2028		

Seq. No.	12448	Seq. ID	OJ990830_10.9C13.C12
Gene No.	26348	Strand	+
Start	514	End	2052
Name	OJ990830_10.9C13.C12.o1.gs	Method	GENSCAN
Start	514	End	2033
GI	none	Score	.47
Exons	514..709, 1147..1289, 1541..1715, 1930..2033		

Seq. No.	12448	Seq. ID	OJ990830_10.9C13.C12
Gene No.	26348	Strand	+
Start	514	End	2052
Name	OJ990830_10.9C13.C12.o1.np	Method	AAT/NAP
Start	514	End	2052
GI	2982459	Score	644
Exons	514..709, 1091..1289, 1538..1750, 1915..2052		
GI Descrip.	(AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	12448	Seq. ID	OJ990830_10.9C13.C12
Gene No.	26348	Strand	+
Start	514	End	2052
Name	OJ990830_10.9C13.C12.o2.ts	Method	TBLASTX:Soybean
Start	547	End	1268
GI	none	Score	194
Exons	547..714, 570..713, 1075..1170, 1125..1265, 1169..1267, 1173..1268		

Seq. No.	12448	Seq. ID	OJ990830_10.9C13.C12
Gene No.	26348	Strand	+

Start	514	End	2052
Name	OJ990830_10.9C13.C12.o1.tc	Method	TBLASTX:Cress
Start	565	End	1271
GI	none	Score	174
Exons	565..714, 567..713, 1075..1170, 1169..1270, 1170..1271		

Seq. No.	12448	Seq. ID	OJ990830_10.9C13.C12
Gene No.	26348	Strand	+
Start	514	End	2052
Name	OJ990830_10.9C13.C12.o1.ts	Method	TBLASTX:Soybean
Start	1541	End	2024
GI	none	Score	224
Exons	1541..1714, 1549..1713, 1569..1715, 1569..1715, 1928..2005, 1929..2006, 1932..2024, 1934..2023		

Seq. No.	12449	Seq. ID	OJ990830_10.9C13.C13
Gene No.	26349	Strand	-
Start	1	End	2354
Name	OJ990830_10.9C13.C13.o1.gp	Method	AAT/GAP
Start	1	End	2354
GI	25505_1.R1084	Score	870
Exons	1..34, 485..554, 1637..1694, 1780..1822, 1914..1990, 2131..2354		
GI Descrip.	'2911073/emb|CAA17535.1| 7.0e-14 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	12449	Seq. ID	OJ990830_10.9C13.C13
Gene No.	26349	Strand	-
Start	1	End	2354
Name	OJ990830_10.9C13.C13.o1.np	Method	AAT/NAP
Start	1	End	2248
GI	6598621	Score	345
Exons	1..34, 485..554, 1637..1694, 1780..1822, 1914..1990, 2131..2248		
GI Descrip.	(AC006837) transfactor-like protein [Arabidopsis thaliana]		

Seq. No.	12449	Seq. ID	OJ990830_10.9C13.C13
Gene No.	26349	Strand	-
Start	1	End	2354
Name	OJ990830_10.9C13.C13.o1.ts	Method	TBLASTX:Soybean
Start	1636	End	2212
GI	none	Score	89
Exons	1636..1695, 1781..1828, 1900..1989, 1902..1988, 2132..2212, 2133..2204		

Seq. No.	12449	Seq. ID	OJ990830_10.9C13.C13
Gene No.	26349	Strand	-
Start	1	End	2354
Name	OJ990830_10.9C13.C13.o1.gs	Method	GENSCAN
Start	1637	End	2354
GI	none	Score	.52
Exons	1637..1751, 1780..1822, 1914..1990, 2131..2354		

Seq. No.	12450	Seq. ID	OJ990830_10.9C13.C14
Gene No.	26350	Strand	-
Start	222	End	371
Name	OJ990830_10.9C13.C14.o1.gp	Method	AAT/GAP
Start	222	End	371
GI	25505_1.R1084	Score	269

Exons	222..371		
GI Descrip.	'2911073/emb|CAA17535.1| 7.0e-14 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	12450	Seq. ID	OJ990830_10.9C13.C14
Gene No.	26351	Strand	-
Start	1622	End	1774
Name	OJ990830_10.9C13.C14.o1.tm	Method	TBLASTX:Maize
Start	1616	End	1774
GI	none	Score	129
Exons	1616..1774, 1617..1691, 1619..1774		

Seq. No.	12450	Seq. ID	OJ990830_10.9C13.C14
Gene No.	26351	Strand	-
Start	1622	End	1774
Name	OJ990830_10.9C13.C14.o1.np	Method	AAT/NAP
Start	1622	End	1774
GI	2911073	Score	165
Exons	1622..1774		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26352	Strand	+
Start	11466	End	11735
Name	OJ990830_10.9C13.C15.o3.gs	Method	GENSCAN
Start	11466	End	11735
GI	none	Score	.98
Exons	11466..11735		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26353	Strand	-
Start	810	End	6741
Name	OJ990830_10.9C13.C15.o1.gp	Method	AAT/GAP
Start	403	End	906
GI	3061158	Score	367
Exons	403..466, 762..906		
GI Descrip.	2911073/emb|CAA17535.1| 7.0e-14 (AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26353	Strand	-
Start	810	End	6741
Name	OJ990830_10.9C13.C15.o1.gs	Method	GENSCAN
Start	810	End	6741
GI	none	Score	.78
Exons	810..835, 1033..1099, 1619..2136, 2440..2472, 2640..2853, 2933..3047, 3143..3388, 3504..4139, 4442..4550, 6140..6405, 6512..6741		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26353	Strand	-
Start	810	End	6741
Name	OJ990830_10.9C13.C15.o1.np	Method	AAT/NAP
Start	1592	End	6726
GI	4218991	Score	1777
Exons	1592..2136, 2640..2853, 2933..3047, 3143..3388, 3504..4139, 4442..4550, 6140..6405, 6512..6726		

GI Descrip. (AF098632) subtilisin-like protease [Arabidopsis thaliana]

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26353	Strand	-
Start	810	End	6741
Name	OJ990830_10.9C13.C15.o2.gp	Method	AAT/GAP
Start	1774	End	2773
GI	uC-osflcyp052g03b1	Score	943
Exons	1774..2136, 2640..2773		
GI Descrip.	'3695019/gb|AAC62611.1| 3.0e-44 (AF055848) subtilisin-like protease [Arabidopsis thaliana]'		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26354	Strand	-
Start	8930	End	10707
Name	OJ990830_10.9C13.C15.o2.gs	Method	GENSCAN
Start	8930	End	10707
GI	none	Score	.45
Exons	8930..8997, 9752..10081, 10122..10205, 10668..10707		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26355	Strand	-
Start	13486	End	15628
Name	OJ990830_10.9C13.C15.o1.tc	Method	TBLASTX:Cress
Start	1598	End	6383
GI	none	Score	93
Exons	1598..1819, 1922..2086, 1980..2087, 2632..2859, 2642..2854, 2933..3037, 2937..3041, 3148..3384, 3200..3382, 3608..3889, 3633..3839, 4477..4554, 6201..6383		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26355	Strand	-
Start	13486	End	15628
Name	OJ990830_10.9C13.C15.o1.tm	Method	TBLASTX:Maize
Start	1598	End	3889
GI	none	Score	77
Exons	1598..1735, 1682..1903, 1979..2083, 1980..2081, 2641..2859, 2642..2854, 2933..3016, 2937..3017, 3097..3384, 3633..3668, 3656..3889, 3657..3842		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26355	Strand	-
Start	13486	End	15628
Name	OJ990830_10.9C13.C15.o1.ts	Method	TBLASTX:Soybean
Start	1922	End	6383
GI	none	Score	95
Exons	1922..2098, 1980..2087, 2641..2859, 2642..2854, 2933..3016, 2937..3005, 3094..3384, 3200..3355, 3608..3889, 3633..3842, 4477..4554, 6204..6383		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26355	Strand	-
Start	13486	End	15628
Name	OJ990830_10.9C13.C15.o1.tw	Method	TBLASTX:Wheat
Start	3621	End	3889
GI	none	Score	115
Exons	3621..3788, 3623..3799, 3806..3889		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26355	Strand	-
Start	13486	End	15628
Name	OJ990830_10.9C13.C15.o2.tw	Method	TBLASTX:Wheat
Start	7522	End	7819
GI	none	Score	104
Exons	7522..7650, 7649..7819		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26355	Strand	-
Start	13486	End	15628
Name	OJ990830_10.9C13.C15.o2.tm	Method	TBLASTX:Maize
Start	7615	End	8014
GI	none	Score	95
Exons	7615..7650, 7652..8014, 7785..7940		

Seq. No.	12451	Seq. ID	OJ990830_10.9C13.C15
Gene No.	26355	Strand	-
Start	13486	End	15628
Name	OJ990830_10.9C13.C15.o4.gs	Method	GENSCAN
Start	13486	End	15628
GI	none	Score	.7
Exons	13486..13659, 14164..14270, 14570..14831, 15531..15628		

Seq. No.	12452	Seq. ID	OJ990830_10.9C13.C16
Gene No.	26356	Strand	+
Start	1309	End	1714
Name	OJ990830_10.9C13.C16.o1.gs	Method	GENSCAN
Start	1309	End	1714
GI	none	Score	.63
Exons	1309..1511, 1540..1714		

Seq. No.	12453	Seq. ID	OJ990830_10.9C13.C17
Gene No.	26357	Strand	+
Start	1	End	1960
Name	OJ990830_10.9C13.C17.o1.np	Method	AAT/NAP
Start	1	End	1960
GI	4584355	Score	976
Exons	1..49, 217..617, 825..950, 1034..1064, 1290..1960		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	12453	Seq. ID	OJ990830_10.9C13.C17
Gene No.	26357	Strand	+
Start	1	End	1960
Name	OJ990830_10.9C13.C17.o1.gs	Method	GENSCAN
Start	228	End	1537
GI	none	Score	.77
Exons	228..650, 744..950, 1034..1537		

Seq. No.	12453	Seq. ID	OJ990830_10.9C13.C17
Gene No.	26358	Strand	+
Start	2236	End	2988
Name	OJ990830_10.9C13.C17.o2.gs	Method	GENSCAN
Start	2236	End	2988
GI	none	Score	.6
Exons	2236..2638, 2756..2988		

Seq. No.	12453	Seq. ID	OJ990830_10.9C13.C17
Gene No.	26359	Strand	+
Start	4048	End	4569
Name	OJ990830_10.9C13.C17.o3.gs	Method	GENSCAN
Start	4048	End	4569
GI	none	Score	.99
Exons	4048..4569		

Seq. No.	12453	Seq. ID	OJ990830_10.9C13.C17
Gene No.	26360	Strand	+
Start	4841	End	5150
Name	OJ990830_10.9C13.C17.o4.gs	Method	GENSCAN
Start	4841	End	5150
GI	none	Score	.87
Exons	4841..4911, 5087..5150		

Seq. No.	12453	Seq. ID	OJ990830_10.9C13.C17
Gene No.	26361	Strand	+
Start	5286	End	5370
Name	OJ990830_10.9C13.C17.o3.np	Method	AAT/NAP
Start	5286	End	5370
GI	6721547	Score	71
Exons	5286..5370		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12453	Seq. ID	OJ990830_10.9C13.C17
Gene No.	26362	Strand	-
Start	4047	End	4569
Name	OJ990830_10.9C13.C17.o1.tm	Method	TBLASTX:Maize
Start	4	End	419
GI	none	Score	65
Exons	4..162, 180..419, 189..419		

Seq. No.	12453	Seq. ID	OJ990830_10.9C13.C17
Gene No.	26362	Strand	-
Start	4047	End	4569
Name	OJ990830_10.9C13.C17.o2.np	Method	AAT/NAP
Start	4047	End	4569
GI	6539570	Score	156
Exons	4047..4090, 4352..4569		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	12454	Seq. ID	OJ990830_10.9C13.C20
Gene No.	26363	Strand	+
Start	1	End	1124
Name	OJ990830_10.9C13.C20.o1.np	Method	AAT/NAP
Start	1	End	1124
GI	6016736	Score	310
Exons	1..64, 121..210, 843..983, 1093..1124		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana]		

Seq. No.	12454	Seq. ID	OJ990830_10.9C13.C20
Gene No.	26363	Strand	+
Start	1	End	1124
Name	OJ990830_10.9C13.C20.o1.tc	Method	TBLASTX:Cress
Start	117	End	1124

GI	none	Score	147
Exons	117..212, 117..209, 119..211, 1092..1124	841..981, 842..982, 1073..1123,	

Seq. No.	12454	Seq. ID	OJ990830_10.9C13.C20
Gene No.	26363	Strand	+
Start	1	End	1124
Name	OJ990830_10.9C13.C20.o1.tm	Method	TBLASTX:Maize
Start	117	End	1124
GI	none	Score	152
Exons	117..212, 124..213, 125..211, 1092..1124	841..981,	842..982, 1092..1124,

Seq. No.	12454	Seq. ID	OJ990830_10.9C13.C20
Gene No.	26363	Strand	+
Start	1	End	1124
Name	OJ990830_10.9C13.C20.o1.gp	Method	AAT/GAP
Start	123	End	900
GI	9529_1.R1084	Score	234
Exons	123..210, 843..900		
GI Descrip.	'6016736/gb|AAF01562.1|AC009325_32 4.0e-20 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12454	Seq. ID	OJ990830_10.9C13.C20
Gene No.	26363	Strand	+
Start	1	End	1124
Name	OJ990830_10.9C13.C20.o1.ts	Method	TBLASTX:Soybean
Start	123	End	1124
GI	none	Score	140
Exons	123..212, 124..210, 125..217, 1088..1123	841..987,	842..994, 1083..1124,

Seq. No.	12454	Seq. ID	OJ990830_10.9C13.C20
Gene No.	26363	Strand	+
Start	1	End	1124
Name	OJ990830_10.9C13.C20.o1.gs	Method	GENSCAN
Start	126	End	983
GI	none	Score	.91
Exons	126..210, 843..983		

Seq. No.	12455	Seq. ID	OJ990830_10.9C13.C21
Gene No.	26364	Strand	+
Start	116	End	649
Name	OJ990830_10.9C13.C21.o1.gp	Method	AAT/GAP
Start	116	End	649
GI	1176_3.R1084	Score	1032
Exons	116..649		
GI Descrip.	'2982453/emb|CAA18217.1| 1.0e-163 (AL022223) fructose-bisphosphate aldolase-like protein [Arabidopsis thaliana]'		

Seq. No.	12455	Seq. ID	OJ990830_10.9C13.C21
Gene No.	26365	Strand	-
Start	410	End	649
Name	OJ990830_10.9C13.C21.o1.ts	Method	TBLASTX:Soybean
Start	398	End	648
GI	none	Score	132

Exons	398..496, 498..647, 541..648		
Seq. No.	12455	Seq. ID	OJ990830_10.9C13.C21
Gene No.	26365	Strand	-
Start	410	End	649
Name	OJ990830_10.9C13.C21.o1.tm	Method	TBLASTX:Maize
Start	401	End	648
GI	none	Score	95
Exons	401..454, 461..496, 498..647,	498..647,	541..648
Seq. No.	12455	Seq. ID	OJ990830_10.9C13.C21
Gene No.	26365	Strand	-
Start	410	End	649
Name	OJ990830_10.9C13.C21.o1.gs	Method	GENSCAN
Start	410	End	644
GI	none	Score	.8
Exons	410..503, 511..644		
Seq. No.	12455	Seq. ID	OJ990830_10.9C13.C21
Gene No.	26365	Strand	-
Start	410	End	649
Name	OJ990830_10.9C13.C21.o1.tc	Method	TBLASTX:Cress
Start	410	End	648
GI	none	Score	38
Exons	410..472, 461..496, 498..533,	498..647,	541..648
Seq. No.	12455	Seq. ID	OJ990830_10.9C13.C21
Gene No.	26365	Strand	-
Start	410	End	649
Name	OJ990830_10.9C13.C21.o1.np	Method	AAT/NAP
Start	413	End	649
GI	1168408	Score	277
Exons	413..649		
GI Descrip.	FRUCTOSE-BISPHOSPHATE ALDOLASE, CYTOPLASMIC ISOZYME 1 gi|2118268|pir||S58168 fructose-bisphosphate aldolase (EC 4.1.2.13) - garden pea gi|927507|emb|CAA61946| (X89828) fructose-1,6-bisphosphate aldolase [Pisum sativum]		
Seq. No.	12456	Seq. ID	OJ990830_10.9C13.C23
Gene No.	26366	Strand	+
Start	6241	End	6588
Name	OJ990830_10.9C13.C23.o1.gp	Method	AAT/GAP
Start	6241	End	6588
GI	none	Score	494
Exons	6241..6588		
Seq. No.	12456	Seq. ID	OJ990830_10.9C13.C23
Gene No.	26367	Strand	+
Start	7857	End	10664
Name	OJ990830_10.9C13.C23.o2.gs	Method	GENSCAN
Start	7857	End	10135
GI	none	Score	.48
Exons	7857..7972, 8139..8555, 8718..8770, 8987..9121, 9927..10032, 10069..10135		
Seq. No.	12456	Seq. ID	OJ990830_10.9C13.C23
Gene No.	26367	Strand	+

Start	7857	End	10664
Name	OJ990830_10.9C13.C23.o1.np	Method	AAT/NAP
Start	8094	End	10664
GI	2147328	Score	285
Exons	8094..8564, 9700..9844, 10550..10664		
GI Descrip.	dioscorin class B - Dioscorea cayenensis (fragment)		

Seq. No.	12456	Seq. ID	OJ990830_10.9C13.C23
Gene No.	26368	Strand	-
Start	10355	End	10699
Name	OJ990830_10.9C13.C23.o1.tm	Method	TBLASTX:Maize
Start	8088	End	8439
GI	none	Score	102
Exons	8088..8183, 8272..8439, 8272..8394, 8277..8438		

Seq. No.	12456	Seq. ID	OJ990830_10.9C13.C23
Gene No.	26368	Strand	-
Start	10355	End	10699
Name	OJ990830_10.9C13.C23.o3.gs	Method	GENSCAN
Start	10355	End	10699
GI	none	Score	.99
Exons	10355..10699		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26369	Strand	+
Start	475	End	751
Name	OJ990830_10.9C13.C24.o1.gp	Method	AAT/GAP
Start	475	End	751
GI	uC-osflcyp135d07a1	Score	554
Exons	475..751		
GI Descrip.	'2244785/emb|CAB10208.1| 2.0e-26 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26370	Strand	+
Start	7574	End	18936
Name	OJ990830_10.9C13.C24.o2.gs	Method	GENSCAN
Start	7574	End	18387
GI	none	Score	.47
Exons	7574..8334, 9093..9215, 9497..9649, 9890..9918, 10052..10177, 11332..11391, 12010..12209, 13979..14110, 14231..14325, 14802..14887, 15320..15446, 15872..15995, 16017..16076, 16569..16649, 16748..16846, 17207..17294, 17384..17454, 17525..17593, 17848..17991, 18241..18387		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26370	Strand	+
Start	7574	End	18936
Name	OJ990830_10.9C13.C24.o1.np	Method	AAT/NAP
Start	7636	End	14081
GI	6523547	Score	266
Exons	7636..8362, 9764..9865, 13688..14081		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26370	Strand	+

Start	7574	End	18936
Name	OJ990830_10.9C13.C24.o3.gp	Method	AAT/GAP
Start	8791	End	8849
GI	2312838	Score	65
Exons	8791..8849		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26370	Strand	+
Start	7574	End	18936
Name	OJ990830_10.9C13.C24.o2.np	Method	AAT/NAP
Start	14801	End	18936
GI	2244785	Score	752
Exons	14801..14883, 14989..15092, 15320..15446, 15531..15625, 15872..16012, 16522..16651, 16738..16846, 16944..17067, 18909..18936		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26370	Strand	+
Start	7574	End	18936
Name	OJ990830_10.9C13.C24.o4.gp	Method	AAT/GAP
Start	16618	End	16995
GI	4878423	Score	298
Exons	16618..16649, 16748..16846, 16944..16995		
GI Descrip.	2244785/emb|CAB10208.1| 2.0e-26 (Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26370	Strand	+
Start	7574	End	18936
Name	OJ990830_10.9C13.C24.o5.gp	Method	AAT/GAP
Start	16715	End	17041
GI	4878423	Score	337
Exons	16715..16846, 16944..17041		
GI Descrip.	2244785/emb|CAB10208.1| 2.0e-26 (Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26370	Strand	+
Start	7574	End	18936
Name	OJ990830_10.9C13.C24.o6.gp	Method	AAT/GAP
Start	17258	End	18282
GI	uC-osflM202037f12b1	Score	551
Exons	17258..17295, 17384..17454, 17525..17593, 17848..17991, 18241..18282		
GI Descrip.	'2911073/emb|CAA17535.1| 7.0e-14 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26371	Strand	-
Start	562	End	6191
Name	OJ990830_10.9C13.C24.o1.gs	Method	GENSCAN
Start	562	End	6191
GI	none	Score	.82
Exons	562..614, 854..1118, 1483..1530, 2036..2191, 2560..2905,		

3098..3247, 3460..3588, 3829..4115, 4355..4642, 4725..4865,
4963..5067, 5366..5464, 5546..5635, 6024..6191

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26371	Strand	-
Start	562	End	6191
Name	OJ990830_10.9C13.C24.o3.tm	Method	TBLASTX:Maize
Start	1618	End	2006
GI	none	Score	194
Exons	1618..1863, 1629..1835, 1859..1921, 1879..1929, 1959..2006		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26371	Strand	-
Start	562	End	6191
Name	OJ990830_10.9C13.C24.o2.gp	Method	AAT/GAP
Start	2686	End	3003
GI	701716	Score	566
Exons	2686..3003		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26372	Strand	
Start	14282	End	15605
Name	OJ990830_10.9C13.C24.o2.tm	Method	TBLASTX:Maize
Start	14282	End	15434
GI	none	Score	69
Exons	14282..14326, 14800..14883, 14801..14881, 14802..14882, 14802..14885, 14803..14883, 14986..15090, 14986..15084, 14988..15092, 14988..15092, 15310..15432, 15318..15434, 15318..15434		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26372	Strand	
Start	14282	End	15605
Name	OJ990830_10.9C13.C24.o2.ts	Method	TBLASTX:Soybean
Start	14285	End	15605
GI	none	Score	72
Exons	14285..14326, 14799..14885, 14803..14883, 14986..15090, 14988..15092, 15264..15317, 15317..15385, 15318..15446, 15358..15456, 15528..15605, 15530..15604		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26373	Strand	
Start	15869	End	17286
Name	OJ990830_10.9C13.C24.o3.ts	Method	TBLASTX:Soybean
Start	15869	End	15998
GI	none	Score	186
Exons	15869..15997, 15870..15998		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26373	Strand	
Start	15869	End	17286
Name	OJ990830_10.9C13.C24.o1.tm	Method	TBLASTX:Maize
Start	15882	End	17286
GI	none	Score	185
Exons	15882..15998, 15882..15995, 15883..15996, 16567..16644, 16569..16649, 16587..16649, 16732..16839, 16734..16847, 16745..16870, 16745..16846, 16746..16847, 16900..17094,		

16943..17128, 16944..17129, 17154..17282, 17190..17267,
17191..17283, 17192..17281, 17206..17286

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26373	Strand	
Start	15869	End	17286
Name	OJ990830_10.9C13.C24.o1.tc	Method	TBLASTX:Cress
Start	16569	End	17051
GI	none	Score	97
Exons	16569..16652, 16590..16652, 16751..16843, 16768..16830, 16943..17047, 16944..17051		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26373	Strand	
Start	15869	End	17286
Name	OJ990830_10.9C13.C24.o1.ts	Method	TBLASTX:Soybean
Start	16569	End	17003
GI	none	Score	108
Exons	16569..16652, 16583..16636, 16587..16658, 16732..16812, 16745..16846, 16757..16825, 16943..16999, 16944..17003		

Seq. No.	12457	Seq. ID	OJ990830_10.9C13.C24
Gene No.	26374	Strand	
Start	17520	End	18012
Name	OJ990830_10.9C13.C24.o4.tm	Method	TBLASTX:Maize
Start	17520	End	18012
GI	none	Score	103
Exons	17520..17600, 17525..17599, 17819..17986, 17841..17990, 17846..17992, 17848..18012		

Seq. No.	12458	Seq. ID	OJ990830_10.9C13.C25
Gene No.	26375	Strand	-
Start	1	End	995
Name	OJ990830_10.9C13.C25.o1.np	Method	AAT/NAP
Start	1	End	995
GI	2911073	Score	310
Exons	1..146, 478..641, 867..995		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	12458	Seq. ID	OJ990830_10.9C13.C25
Gene No.	26375	Strand	-
Start	1	End	995
Name	OJ990830_10.9C13.C25.o1.gs	Method	GENSCAN
Start	17	End	680
GI	none	Score	.76
Exons	17..146, 478..680		

Seq. No.	12458	Seq. ID	OJ990830_10.9C13.C25
Gene No.	26375	Strand	-
Start	1	End	995
Name	OJ990830_10.9C13.C25.o1.tm	Method	TBLASTX:Maize
Start	20	End	948
GI	none	Score	101
Exons	20..154, 87..149, 91..150, 451..642, 460..642, 462..662, 852..938, 864..947, 865..948		

Seq. No. 12458 Seq. ID OJ990830_10.9C13.C25

Gene No.	26375	Strand	-
Start	1	End	995
Name	OJ990830_10.9C13.C25.o1.ts	Method	TBLASTX:Soybean
Start	35	End	644
GI	none	Score	86
Exons	35..154, 78..146, 462..644, 511..642		

Seq. No.	12458	Seq. ID	OJ990830_10.9C13.C25
Gene No.	26375	Strand	-
Start	1	End	995
Name	OJ990830_10.9C13.C25.o1.tc	Method	TBLASTX:Cress
Start	74	End	948
GI	none	Score	58
Exons	74..154, 96..140, 495..662, 505..642, 862..948, 862..942, 864..947		

Seq. No.	12458	Seq. ID	OJ990830_10.9C13.C25
Gene No.	26375	Strand	-
Start	1	End	995
Name	OJ990830_10.9C13.C25.o1.gp	Method	AAT/GAP
Start	552	End	942
GI	3061158	Score	243
Exons	552..641, 867..942		
GI Descrip.	2911073/emb|CAA17535.1| 7.0e-14 (AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	12459	Seq. ID	OJ990830_10.9C13.C26
Gene No.	26376	Strand	+
Start	137	End	396
Name	OJ990830_10.9C13.C26.o1.gs	Method	GENSCAN
Start	137	End	396
GI	none	Score	.76
Exons	137..239, 276..396		

Seq. No.	12459	Seq. ID	OJ990830_10.9C13.C26
Gene No.	26377	Strand	-
Start	94	End	530
Name	OJ990830_10.9C13.C26.o1.np	Method	AAT/NAP
Start	94	End	530
GI	5922636	Score	135
Exons	94..530		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12460	Seq. ID	OJ990830_10.9C13.C27
Gene No.	26378	Strand	-
Start	292	End	643
Name	OJ990830_10.9C13.C27.o1.gs	Method	GENSCAN
Start	292	End	643
GI	none	Score	.65
Exons	292..477, 569..643		

Seq. No.	12461	Seq. ID	OJ990830_10.9C13.C28
Gene No.	26379	Strand	-

Start	1	End	1607
Name	OJ990830_10.9C13.C28.o1.gp	Method	AAT/GAP
Start	1	End	1149
GI	21411_1.R1084	Score	784
Exons	1..95, 181..237, 770..995, 1102..1149		
GI Descrip.	'6016736/gb|AAF01562.1|AC009325_32 2.0e-11 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12461	Seq. ID	OJ990830_10.9C13.C28
Gene No.	26379	Strand	-
Start	1	End	1607
Name	OJ990830_10.9C13.C28.o1.tm	Method	TBLASTX:Maize
Start	2	End	1600
GI	none	Score	107
Exons	2..97, 13..96, 15..98, 15..98, 16..117, 174..227, 180..236, 181..234, 181..237, 774..839, 809..943, 862..996, 864..1004, 865..996, 1101..1250, 1102..1245, 1102..1257, 1303..1437, 1323..1433, 1505..1573, 1512..1571, 1561..1599, 1565..1600		

Seq. No.	12461	Seq. ID	OJ990830_10.9C13.C28
Gene No.	26379	Strand	-
Start	1	End	1607
Name	OJ990830_10.9C13.C28.o1.tc	Method	TBLASTX:Cress
Start	12	End	1427
GI	none	Score	132
Exons	12..98, 181..240, 1101..1250, 1102..1230, 1303..1422, 1323..1427		

Seq. No.	12461	Seq. ID	OJ990830_10.9C13.C28
Gene No.	26379	Strand	-
Start	1	End	1607
Name	OJ990830_10.9C13.C28.o1.np	Method	AAT/NAP
Start	18	End	1607
GI	6016736	Score	426
Exons	18..95, 181..247, 330..393, 919..995, 1099..1229, 1323..1428, 1527..1607		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana]		

Seq. No.	12461	Seq. ID	OJ990830_10.9C13.C28
Gene No.	26379	Strand	-
Start	1	End	1607
Name	OJ990830_10.9C13.C28.o1.gs	Method	GENSCAN
Start	181	End	1373
GI	none	Score	.76
Exons	181..237, 770..995, 1102..1229, 1323..1373		

Seq. No.	12461	Seq. ID	OJ990830_10.9C13.C28
Gene No.	26379	Strand	-
Start	1	End	1607
Name	OJ990830_10.9C13.C28.o1.ts	Method	TBLASTX:Soybean
Start	1101	End	1599
GI	none	Score	119
Exons	1101..1250, 1102..1230, 1323..1433, 1327..1431, 1505..1573, 1561..1599		

Seq. No.	12462	Seq. ID	OJ990810_10.9C23.C1
Gene No.	26380	Strand	+
Start	213	End	731

Name	OJ990810_10.9C23.C1.o1.gs	Method	GENSCAN
Start	213	End	444
GI	none	Score	.88
Exons	213..215, 220..444		

Seq. No.	12462	Seq. ID	OJ990810_10.9C23.C1
Gene No.	26380	Strand	+
Start	213	End	731
Name	OJ990810_10.9C23.C1.o1.tc	Method	TBLASTX:Cress
Start	217	End	587
GI	none	Score	54
Exons	217..396, 218..397, 219..419,	220..438,	441..587

Seq. No.	12462	Seq. ID	OJ990810_10.9C23.C1
Gene No.	26380	Strand	+
Start	213	End	731
Name	OJ990810_10.9C23.C1.o1.np	Method	AAT/NAP
Start	218	End	731
GI	2317908	Score	435
Exons	218..731		
GI Descrip.	(U89959) Unknown protein [Arabidopsis thaliana]		

Seq. No.	12462	Seq. ID	OJ990810_10.9C23.C1
Gene No.	26380	Strand	+
Start	213	End	731
Name	OJ990810_10.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	334	End	725
GI	none	Score	77
Exons	334..441, 366..425, 396..725,	513..713	

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26381	Strand	+
Start	1	End	6225
Name	OJ990810_10.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	6225
GI	5042157	Score	303
Exons	1..170, 569..732, 6042..6225		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26381	Strand	+
Start	1	End	6225
Name	OJ990810_10.9C23.C2.o1.gs	Method	GENSCAN
Start	148	End	2218
GI	none	Score	.73
Exons	148..463, 535..545, 577..732,	2198..2218	

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26382	Strand	+
Start	6664	End	7555
Name	OJ990810_10.9C23.C2.o3.gs	Method	GENSCAN
Start	6664	End	7555
GI	none	Score	.68
Exons	6664..6844, 6906..6977, 7470..7555		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2

Gene No.	26383	Strand	+
Start	7941	End	16729
Name	OJ990810_10.9C23.C2.o4.gs	Method	GENSCAN
Start	7941	End	15125
GI	none	Score	.84
Exons	7941..8121, 8238..8401, 9108..9149, 9588..9749, 10425..10542, 10678..10736, 11135..11206, 13155..13222, 13560..13628, 13733..13815, 14035..14125, 14206..14271, 14713..14806, 14828..14972, 15055..15125		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26383	Strand	+
Start	7941	End	16729
Name	OJ990810_10.9C23.C2.o2.np	Method	AAT/NAP
Start	8225	End	16729
GI	6324357	Score	108
Exons	8225..8323, 9178..9268, 9520..9578, 16645..16729		
GI Descrip.	Member of the major facilitator superfamily; Ecm39p gi|1730674|sp|P53730|YN8I_YEAST HYPOTHETICAL 62.7 KD PROTEIN IN SEC12-SSK2 INTERGENIC REGION gi|2132801|pir||S63361 probable membrane protein YNR030w - yeast (Saccharomyces cerevisiae) gi|1302525|emb|CAA96310| (Z71645) ORF YNR030w [Saccharomyces cerevisiae]		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26383	Strand	+
Start	7941	End	16729
Name	OJ990810_10.9C23.C2.o1.gp	Method	AAT/GAP
Start	14300	End	14392
GI	32197_1.R1084	Score	128
Exons	14300..14392		
GI Descrip.	'4455192/emb|CAB36515.1| 2.0e-13 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26384	Strand	-
Start	5818	End	6234
Name	OJ990810_10.9C23.C2.o2.gs	Method	GENSCAN
Start	5818	End	6234
GI	none	Score	.66
Exons	5818..6234		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26385	Strand	-
Start	15089	End	15498
Name	OJ990810_10.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	584	End	6162
GI	none	Score	257
Exons	584..742, 595..732, 654..734, 6039..6101, 6040..6162		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26385	Strand	-
Start	15089	End	15498
Name	OJ990810_10.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	659	End	6159
GI	none	Score	143
Exons	659..742, 676..732, 6040..6159		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26385	Strand	-
Start	15089	End	15498
Name	OJ990810_10.9C23.C2.o3.tm	Method	TBLASTX:Maize
Start	11771	End	13227
GI	none	Score	57
Exons	11771..11824, 11773..11823, 11916..11981, 11934..11987, 11980..12021, 11981..12022, 12569..12643, 12570..12644, 12968..13078, 12978..13079, 12979..13062, 12988..13083, 12989..13105, 13113..13196, 13153..13227, 13154..13225, 13180..13227		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26385	Strand	-
Start	15089	End	15498
Name	OJ990810_10.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	13725	End	15123
GI	none	Score	144
Exons	13725..13814, 13730..13813, 13732..13818, 13733..13816, 14018..14128, 14020..14124, 14034..14129, 14034..14129, 14184..14264, 14186..14269, 14204..14275, 14711..14812, 14713..14808, 14972..15055, 14973..15056, 14973..15059, 15072..15110, 15082..15123, 15083..15112		

Seq. No.	12463	Seq. ID	OJ990810_10.9C23.C2
Gene No.	26385	Strand	-
Start	15089	End	15498
Name	OJ990810_10.9C23.C2.o2.gp	Method	AAT/GAP
Start	15089	End	15498
GI	none	Score	816
Exons	15089..15498		

Seq. No.	12464	Seq. ID	OJ990810_10.9C23.C3
Gene No.	26386	Strand	+
Start	4994	End	6015
Name	OJ990810_10.9C23.C3.o1.np	Method	AAT/NAP
Start	4994	End	6015
GI	6907106	Score	437
Exons	4994..5341, 5501..5796, 5831..6015		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12464	Seq. ID	OJ990810_10.9C23.C3
Gene No.	26387	Strand	+
Start	6162	End	6455
Name	OJ990810_10.9C23.C3.o1.gp	Method	AAT/GAP
Start	6162	End	6455
GI	15591_1.R1084	Score	444
Exons	6162..6455		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	12464	Seq. ID	OJ990810_10.9C23.C3
Gene No.	26388	Strand	-
Start	1177	End	5945
Name	OJ990810_10.9C23.C3.o1.gs	Method	GENSCAN

Start	1177	End	5945
GI	none	Score	.59
Exons	1177..1218, 1651..1807, 1855..2041, 4743..4775, 4914..5701, 5854..5945		

Seq. No.	12464	Seq. ID	OJ990810_10.9C23.C3
Gene No.	26388	Strand	-
Start	1177	End	5945
Name	OJ990810_10.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	5607	End	5918
GI	none	Score	125
Exons	5607..5732, 5622..5804, 5623..5808, 5809..5847, 5816..5845, 5863..5916, 5877..5915, 5883..5918		

Seq. No.	12465	Seq. ID	OJ990810_10.9C23.C4
Gene No.	26389	Strand	+
Start	1078	End	1477
Name	OJ990810_10.9C23.C4.o1.gp	Method	AAT/GAP
Start	1078	End	1477
GI	none	Score	716
Exons	1078..1477		

Seq. No.	12465	Seq. ID	OJ990810_10.9C23.C4
Gene No.	26390	Strand	-
Start	1020	End	1452
Name	OJ990810_10.9C23.C4.o1.gs	Method	GENSCAN
Start	1020	End	1452
GI	none	Score	.89
Exons	1020..1122, 1264..1452		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26391	Strand	+
Start	276	End	7323
Name	OJ990810_10.9C23.C5.o1.gp	Method	AAT/GAP
Start	276	End	395
GI	none	Score	207
Exons	276..395		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26391	Strand	+
Start	276	End	7323
Name	OJ990810_10.9C23.C5.o1.np	Method	AAT/NAP
Start	276	End	538
GI	6911855	Score	42
Exons	276..538		
GI Descrip.	(AL138649) putative protein [Arabidopsis thaliana]		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26391	Strand	+
Start	276	End	7323
Name	OJ990810_10.9C23.C5.o2.np	Method	AAT/NAP
Start	353	End	7323
GI	2245115	Score	306
Exons	353..638, 1295..1683, 7187..7323		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5

Gene No.	26391	Strand	+
Start	276	End	7323
Name	OJ990810_10.9C23.C5.o1.gs	Method	GENSCAN
Start	377	End	6843
GI	none	Score	.47
Exons	377..632, 1433..1709, 2883..2934, 3068..3114, 4501..4825, 5692..6843		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26391	Strand	+
Start	276	End	7323
Name	OJ990810_10.9C23.C5.o2.gp	Method	AAT/GAP
Start	2567	End	2879
GI	427418	Score	595
Exons	2567..2879		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26391	Strand	+
Start	276	End	7323
Name	OJ990810_10.9C23.C5.o3.np	Method	AAT/NAP
Start	4469	End	6905
GI	2317908	Score	1026
Exons	4469..4825, 5692..6905		
GI Descrip.	(U89959) Unknown protein [Arabidopsis thaliana]		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26392	Strand	+
Start	7561	End	11253
Name	OJ990810_10.9C23.C5.o2.gs	Method	GENSCAN
Start	7561	End	11253
GI	none	Score	.46
Exons	7561..7709, 9209..9616, 10977..11253		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26392	Strand	+
Start	7561	End	11253
Name	OJ990810_10.9C23.C5.o4.np	Method	AAT/NAP
Start	9255	End	11250
GI	3341694	Score	402
Exons	9255..9616, 10977..11250		
GI Descrip.	(AC003672) putative PREG1-like negative regulator [Arabidopsis thaliana]		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	271	End	401
GI	none	Score	126
Exons	271..381, 271..381, 272..400, 273..401		

Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o3.tc	Method	TBLASTX:Cress
Start	272	End	409
GI	none	Score	208

Exons	272..409, 277..375		
Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	284	End	390
GI	none	Score	192
Exons	284..388, 286..381, 295..390		
Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	4607	End	6060
GI	none	Score	85
Exons	4607..4693, 4724..4828, 5689..5868, 5691..5891, 5692..6060, 5847..5969		
Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	5749	End	5997
GI	none	Score	247
Exons	5749..5997, 5749..5916, 5757..5969		
Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	5806	End	6198
GI	none	Score	286
Exons	5806..6198, 5838..5897, 5986..6189		
Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	6208	End	6639
GI	none	Score	302
Exons	6208..6510, 6240..6527, 6241..6528, 6568..6639		
Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o2.tc	Method	TBLASTX:Cress
Start	6277	End	6570
GI	none	Score	251
Exons	6277..6570, 6277..6444, 6297..6569		
Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	9546	End	11261
GI	none	Score	112

Exons	9546..9617, 9548..9619, 10978..11142, 10990..11022, 11019..11132, 11083..11142, 11166..11261, 11187..11255		
Seq. No.	12466	Seq. ID	OJ990810_10.9C23.C5
Gene No.	26393	Strand	-
Start	15489	End	16097
Name	OJ990810_10.9C23.C5.o3.gs	Method	GENSCAN
Start	15489	End	16097
GI	none	Score	.7
Exons	15489..15524, 15734..15931, 15953..16097		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26394	Strand	+
Start	1	End	2632
Name	OJ990810_10.9C23.C6.o1.np	Method	AAT/NAP
Start	1	End	2566
GI	3668088	Score	1072
Exons	1..58, 1063..2209, 2285..2566		
GI Descrip.	(AC004667) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26394	Strand	+
Start	1	End	2632
Name	OJ990810_10.9C23.C6.o1.gs	Method	GENSCAN
Start	44	End	2569
GI	none	Score	1
Exons	44..2569		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26394	Strand	+
Start	1	End	2632
Name	OJ990810_10.9C23.C6.o1.gp	Method	AAT/GAP
Start	2140	End	2632
GI	3767459	Score	948
Exons	2140..2632		
GI Descrip.	4314371/gb|AAD15582| 1.0e-41 (AC006340) putative G9a protein [Arabidopsis thaliana]		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26395	Strand	+
Start	14557	End	16987
Name	OJ990810_10.9C23.C6.o4.gs	Method	GENSCAN
Start	14557	End	16987
GI	none	Score	.72
Exons	14557..14662, 14817..14978, 16633..16765, 16822..16987		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26396	Strand	+
Start	20659	End	20917
Name	OJ990810_10.9C23.C6.o9.gp	Method	AAT/GAP
Start	20659	End	20917
GI	49665_1.R1084	Score	518
Exons	20659..20917		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 4.0e-57 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26397	Strand	-
Start	5109	End	5555
Name	OJ990810_10.9C23.C6.o2.gs	Method	GENSCAN
Start	5109	End	5555
GI	none	Score	.87
Exons	5109..5555		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26398	Strand	-
Start	6063	End	12792
Name	OJ990810_10.9C23.C6.o3.gs	Method	GENSCAN
Start	6063	End	12792
GI	none	Score	.76
Exons	6063..6139, 6508..6625, 7943..8147, 8766..8793, 8941..9094, 9183..9269, 9370..9445, 9736..9986, 10446..10562, 10651..10779, 10800..11021, 12464..12577, 12685..12792		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26398	Strand	-
Start	6063	End	12792
Name	OJ990810_10.9C23.C6.o3.gp	Method	AAT/GAP
Start	6570	End	6814
GI	2796620	Score	451
Exons	6570..6814		
GI Descrip.	2463510/emb|Y11048|ZMSNORNA1 5.0e-27 Z.mays small nuclear RNA genes snoR1.1, snoR2.2, snoR3.2, U14.1a, U14.1b, U14.1c and U14.1d		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26398	Strand	-
Start	6063	End	12792
Name	OJ990810_10.9C23.C6.o6.gp	Method	AAT/GAP
Start	8593	End	10961
GI	15088_1.R1084	Score	2340
Exons	8593..9094, 9183..9269, 9370..9445, 9736..9986, 10446..10562, 10651..10725, 10800..10961		
GI Descrip.	'2196878/emb|CAA69600| 1.0e-138 (Y08292) NADH glutamate dehydrogenase [Nicotiana plumbaginifolia]'		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26398	Strand	-
Start	6063	End	12792
Name	OJ990810_10.9C23.C6.o2.np	Method	AAT/NAP
Start	8912	End	12792
GI	1336084	Score	1613
Exons	8912..9094, 9183..9269, 9370..9445, 9736..9986, 10446..10562, 10651..10725, 10800..11021, 12464..12577, 12685..12792		
GI Descrip.	(U56635) Arabidopsis thaliana glutamate dehydrogenase 2 (GDH2) mRNA, complete cds. [Arabidopsis thaliana]		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o2.tw	Method	TBLASTX:Wheat
Start	1547	End	1987
GI	none	Score	102

Exons	1547..1699, 1721..1837, 1889..1987, 1891..1986		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o3.ts	Method	TBLASTX:Soybean
Start	1903	End	2155
GI	none	Score	252
Exons	1903..1992, 1904..2155, 2062..2151		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	1917	End	2497
GI	none	Score	130
Exons	1917..2240, 1918..2241, 1919..2497, 2284..2496		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o2.ts	Method	TBLASTX:Soybean
Start	2278	End	2581
GI	none	Score	354
Exons	2278..2565, 2288..2569, 2288..2581		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	8788	End	9270
GI	none	Score	54
Exons	8788..8856, 8791..8847, 8796..8855, 8889..9098, 8906..9028, 8906..9109, 8907..9110, 8986..9117, 9173..9217, 9174..9269, 9177..9269, 9184..9270		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o2.tm	Method	TBLASTX:Maize
Start	8788	End	9991
GI	none	Score	47
Exons	8788..8847, 8815..8853, 8855..8884, 8859..8885, 8898..9044, 8899..8946, 8900..9109, 8903..9025, 8904..9110, 9064..9117, 9070..9135, 9173..9271, 9174..9272, 9187..9279, 9346..9447, 9370..9456, 9729..9962, 9731..9991, 9735..9971, 9745..9990		
Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	8895	End	12793
GI	none	Score	87
Exons	8895..9050, 8909..9025, 8909..9124, 8913..9110, 9034..9117, 9174..9272, 9184..9279, 9346..9456, 9346..9447, 9735..9995, 9856..9987, 10446..10541, 10465..10563, 10649..10729, 10651..10728, 10800..10913, 10801..10914, 10812..11027,		

10930..11022, 10965..11024, 12461..12583, 12462..12578,
12682..12792, 12683..12793

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	8909	End	12793
GI	none	Score	201
Exons	8909..9124, 8913..9110, 8986..9111, 9174..9272, 9187..9279, 9346..9447, 9370..9474, 9727..9771, 9730..9993, 9735..9995, 9853..9987, 10446..10541, 10450..10563, 10649..10726, 10651..10728, 10657..10728, 10800..10913, 10806..11027, 10856..10963, 10861..11022, 10965..11024, 10997..11032, 12461..12583, 12461..12583, 12462..12611, 12682..12792, 12683..12793		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o3.tm	Method	TBLASTX:Maize
Start	10446	End	12795
GI	none	Score	176
Exons	10446..10541, 10447..10563, 10447..10560, 10629..10730, 10651..10731, 10651..10728, 10800..10913, 10801..10914, 10806..11024, 10814..11038, 10861..11022, 10965..11024, 12461..12583, 12462..12578, 12463..12579, 12682..12792, 12682..12795		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o3.np	Method	AAT/NAP
Start	14587	End	20917
GI	5042454	Score	236
Exons	14587..14640, 14875..15062, 20792..20917		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o5.gs	Method	GENSCAN
Start	19342	End	20625
GI	none	Score	.66
Exons	19342..19448, 19618..19734, 20152..20325, 20526..20625		

Seq. No.	12467	Seq. ID	OJ990810_10.9C23.C6
Gene No.	26399	Strand	-
Start	14587	End	20917
Name	OJ990810_10.9C23.C6.o4.np	Method	AAT/NAP
Start	20765	End	20917
GI	1732367	Score	120
Exons	20765..20917		
GI Descrip.	(U80583) proteinase TMP [Lycopersicon esculentum]		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26400	Strand	+

Start	1	End	188
Name	OJ990810_10.9C23.C7.o1.gp	Method	AAT/GAP
Start	1	End	188
GI	49665_1.R1084	Score	317
Exons	1..188		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 4.0e-57 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26401	Strand	+
Start	7763	End	11120
Name	OJ990810_10.9C23.C7.o2.np	Method	AAT/NAP
Start	7724	End	11120
GI	6119523	Score	1245
Exons	7724..8123, 8304..8526, 8996..9335, 9424..9647, 10580..11120		
GI Descrip.	(AC011560) putative amino acid transporter [Arabidopsis thaliana]		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26401	Strand	+
Start	7763	End	11120
Name	OJ990810_10.9C23.C7.o2.gs	Method	GENSCAN
Start	7763	End	11118
GI	none	Score	.65
Exons	7763..8123, 8304..8526, 8996..9326, 9415..9601, 10366..10455, 10580..11118		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26402	Strand	+
Start	14244	End	15140
Name	OJ990810_10.9C23.C7.o4.gp	Method	AAT/GAP
Start	14244	End	15140
GI	none	Score	1726
Exons	14244..15140		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26403	Strand	+
Start	15946	End	18211
Name	OJ990810_10.9C23.C7.o4.gs	Method	GENSCAN
Start	15946	End	18211
GI	none	Score	.59
Exons	15946..16012, 16170..16304, 16309..16402, 17307..17466, 17909..18046, 18095..18211		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26404	Strand	+
Start	19917	End	20366
Name	OJ990810_10.9C23.C7.o5.gp	Method	AAT/GAP
Start	19917	End	20366
GI	none	Score	879
Exons	19917..20366		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26405	Strand	+
Start	20694	End	21074
Name	OJ990810_10.9C23.C7.o6.gp	Method	AAT/GAP
Start	20694	End	21074

GI	1729_1.R1084	Score	725
Exons	20694..21074		
GI Descrip.	'2463510/emb|Y11048|ZMSNORNA1 5.0e-27 Z.mays small nuclear RNA genes snoR1.1, snoR2.2, snoR3.2, U14.1a, U14.1b, U14.1c and U14.1d'		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26406	Strand	-
Start	1	End	6894
Name	OJ990810_10.9C23.C7.o1.np	Method	AAT/NAP
Start	1	End	2790
GI	431176	Score	1572
Exons	1..486, 598..923, 1199..1481, 1556..1625, 1712..1807, 1923..2317, 2395..2540, 2634..2790		
GI Descrip.	(D21815) serine proteinase [Lilium longiflorum]		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26406	Strand	-
Start	1	End	6894
Name	OJ990810_10.9C23.C7.o1.gs	Method	GENSCAN
Start	37	End	6894
GI	none	Score	.61
Exons	37..486, 598..923, 1199..1481, 1712..1848, 2029..2317, 2395..2545, 2624..2750, 3604..3790, 6434..6581, 6608..6894		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26406	Strand	-
Start	1	End	6894
Name	OJ990810_10.9C23.C7.o2.gp	Method	AAT/GAP
Start	166	End	634
GI	4968773	Score	590
Exons	166..486, 598..634		
GI Descrip.	431176/dbj|BAA04839| 5.0e-26 (D21815) serine proteinase [Lilium longiflorum]		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26406	Strand	-
Start	1	End	6894
Name	OJ990810_10.9C23.C7.o3.gp	Method	AAT/GAP
Start	2259	End	3786
GI	uC-osrocyp004c09b1	Score	852
Exons	2259..2317, 2395..2545, 2624..2688, 3604..3786		
GI Descrip.	'431176/dbj|BAA04839| 5.0e-26 (D21815) serine proteinase [Lilium longiflorum]'		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26407	Strand	-
Start	14453	End	15070
Name	OJ990810_10.9C23.C7.o3.gs	Method	GENSCAN
Start	14453	End	15070
GI	none	Score	.81
Exons	14453..15070		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o1.tm	Method	TBLASTX:Maize

Start	46	End	483
GI	none	Score	238
Exons	46..483, 47..448		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	46	End	510
GI	none	Score	136
Exons	46..510, 53..220		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	61	End	433
GI	none	Score	212
Exons	61..432, 77..433		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	100	End	379
GI	none	Score	89
Exons	100..378, 122..220, 248..379		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o2.tm	Method	TBLASTX:Maize
Start	1200	End	1597
GI	none	Score	147
Exons	1200..1427, 1201..1395, 1431..1484, 1432..1482, 1556..1597		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o3.ts	Method	TBLASTX:Soybean
Start	1254	End	2137
GI	none	Score	59
Exons	1254..1376, 1287..1427, 1437..1484, 1438..1482, 1556..1597, 1711..1809, 1715..1804, 1914..2090, 1923..2033, 1925..2137		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o3.tc	Method	TBLASTX:Cress
Start	1431	End	2029
GI	none	Score	61
Exons	1431..1484, 1556..1597, 1711..1809, 1715..1804, 1925..2029		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o2.ts	Method	TBLASTX:Soybean

Start	7784	End	8353
GI	none	Score	351
Exons	7784..8119, 7828..8130, 8285..8353		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o2.tc	Method	TBLASTX:Cress
Start	7790	End	8503
GI	none	Score	219
Exons	7790..8125, 7960..8127, 8285..8401, 8417..8503		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o5.tm	Method	TBLASTX:Maize
Start	7790	End	8410
GI	none	Score	198
Exons	7790..8125, 7957..8133, 8252..8410		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o4.tc	Method	TBLASTX:Cress
Start	9101	End	9332
GI	none	Score	183
Exons	9101..9316, 9108..9332		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o3.tm	Method	TBLASTX:Maize
Start	14298	End	14594
GI	none	Score	34
Exons	14298..14345, 14335..14385, 14336..14389, 14370..14447, 14389..14418, 14451..14594, 14453..14593		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o5.gs	Method	GENSCAN
Start	19562	End	21094
GI	none	Score	.42
Exons	19562..19578, 21028..21094		

Seq. No.	12468	Seq. ID	OJ990810_10.9C23.C7
Gene No.	26408	Strand	-
Start	19562	End	21094
Name	OJ990810_10.9C23.C7.o4.tm	Method	TBLASTX:Maize
Start	20591	End	21054
GI	none	Score	57
Exons	20591..20674, 20592..20675, 20772..20807, 20777..20797, 20791..20907, 20796..20912, 20801..20908, 20963..21040, 20965..21054		

Seq. No.	12469	Seq. ID	OJ990810_10.9C23.C8
Gene No.	26409	Strand	-

Start	1	End	688
Name	OJ990810_10.9C23.C8.o1.np	Method	AAT/NAP
Start	1	End	185
GI	3341692	Score	140
Exons	1..185		
GI Descrip.	(AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	12469	Seq. ID	OJ990810_10.9C23.C8
Gene No.	26409	Strand	-
Start	1	End	688
Name	OJ990810_10.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	3	End	688
GI	none	Score	44
Exons	3..23, 3..23, 29..64, 70..150, 73..150, 239..334, 274..342, 275..370, 277..387, 370..555, 400..537, 437..556, 438..554, 446..556, 654..683, 655..687, 656..688		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26410	Strand	+
Start	7196	End	10629
Name	OJ990810_10.9C23.C9.o2.np	Method	AAT/NAP
Start	7196	End	10629
GI	6522545	Score	241
Exons	7196..7361, 8506..8696, 10584..10629		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26411	Strand	-
Start	1	End	3839
Name	OJ990810_10.9C23.C9.o1.np	Method	AAT/NAP
Start	1	End	3839
GI	2262105	Score	1787
Exons	1..749, 807..946, 1028..1199, 1332..1466, 1554..1651, 2755..2927, 3024..3374, 3803..3839		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana]		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26411	Strand	-
Start	1	End	3839
Name	OJ990810_10.9C23.C9.o1.gs	Method	GENSCAN
Start	248	End	3444
GI	none	Score	.66
Exons	248..755, 832..946, 2755..3444		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o1.tc	Method	TBLASTX:Cress
Start	37	End	628
GI	none	Score	56
Exons	37..150, 38..148, 135..317, 140..628, 142..627		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o2.tm	Method	TBLASTX:Maize
Start	37	End	330

GI	none	Score	407
Exons	37..330, 38..328, 45..329, 46..330		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o2.ts	Method	TBLASTX:Soybean
Start	37	End	391
GI	none	Score	204
Exons	37..390, 38..391		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o1.tw	Method	TBLASTX:Wheat
Start	37	End	222
GI	none	Score	125
Exons	37..222, 38..217		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o1.tm	Method	TBLASTX:Maize
Start	331	End	1654
GI	none	Score	496
Exons	331..753, 332..700, 332..757, 334..753, 833..946, 834..947, 834..947, 835..948, 1005..1229, 1013..1228, 1019..1234, 1329..1367, 1332..1466, 1333..1467, 1333..1464, 1340..1468, 1434..1469, 1545..1649, 1550..1654, 1554..1649		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o3.ts	Method	TBLASTX:Soybean
Start	416	End	3286
GI	none	Score	62
Exons	416..538, 437..523, 2743..2910, 2747..2944, 3022..3285, 3023..3286		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o1.ts	Method	TBLASTX:Soybean
Start	539	End	1643
GI	none	Score	107
Exons	539..700, 541..738, 842..946, 843..947, 1013..1210, 1021..1206, 1028..1228, 1035..1217, 1048..1218, 1339..1428, 1340..1465, 1340..1468, 1344..1469, 1542..1637, 1544..1639, 1545..1643, 1553..1642		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o4.tc	Method	TBLASTX:Cress
Start	664	End	1213
GI	none	Score	44
Exons	664..720, 867..932, 878..943, 1013..1213, 1026..1211		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o3.tm	Method	TBLASTX:Maize
Start	2750	End	3369
GI	none	Score	101
Exons	2750..2881, 2752..2883, 3022..3369, 3023..3286		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o3.tc	Method	TBLASTX:Cress
Start	3041	End	3336
GI	none	Score	122
Exons	3041..3286, 3043..3336		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o2.gs	Method	GENSCAN
Start	4845	End	12202
GI	none	Score	.41
Exons	4845..4898, 4985..5103, 5361..5649, 6420..6566, 7422..7705, 8528..8639, 8695..8977, 11414..11547, 12146..12202		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o4.tm	Method	TBLASTX:Maize
Start	8508	End	8813
GI	none	Score	79
Exons	8508..8567, 8518..8580, 8519..8581, 8567..8710, 8571..8711, 8751..8813		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o4.ts	Method	TBLASTX:Soybean
Start	8510	End	8772
GI	none	Score	294
Exons	8510..8704, 8514..8714, 8722..8772, 8723..8767		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o2.tc	Method	TBLASTX:Cress
Start	8511	End	8711
GI	none	Score	295
Exons	8511..8711, 8525..8695		

Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o1.gp	Method	AAT/GAP
Start	8904	End	9224
GI	2569_2.R1084	Score	440

Exons	8904..9224		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-79 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	12470	Seq. ID	OJ990810_10.9C23.C9
Gene No.	26412	Strand	-
Start	4845	End	12202
Name	OJ990810_10.9C23.C9.o2.gp	Method	AAT/GAP
Start	10339	End	10517
GI	LIB3434-053-P1-K1-H7	Score	276
Exons	10339..10517		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-12 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	12471	Seq. ID	OJ990810_10.9C23.C10
Gene No.	26413	Strand	+
Start	4950	End	6057
Name	OJ990810_10.9C23.C10.o3.np	Method	AAT/NAP
Start	4950	End	6057
GI	6815053	Score	791
Exons	4950..5096, 5596..5771, 5820..6057		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	12471	Seq. ID	OJ990810_10.9C23.C10
Gene No.	26414	Strand	-
Start	211	End	310
Name	OJ990810_10.9C23.C10.o1.gp	Method	AAT/GAP
Start	211	End	310
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	211..310		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	12471	Seq. ID	OJ990810_10.9C23.C10
Gene No.	26415	Strand	-
Start	911	End	1291
Name	OJ990810_10.9C23.C10.o2.gp	Method	AAT/GAP
Start	911	End	1291
GI	5002855	Score	699
Exons	911..1291		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26416	Strand	+
Start	1380	End	3209
Name	OJ990810_10.9C23.C11.o1.gs	Method	GENSCAN
Start	1380	End	3209
GI	none	Score	.54
Exons	1380..1440, 2352..2504, 2786..2940, 3150..3209		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26417	Strand	+
Start	3217	End	3500
Name	OJ990810_10.9C23.C11.o1.gp	Method	AAT/GAP
Start	3217	End	3500
GI	none	Score	436

Exons	3217..3500		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26418	Strand	+
Start	9410	End	11219
Name	OJ990810_10.9C23.C11.o3.gs	Method	GENSCAN
Start	9410	End	11219
GI	none	Score	.83
Exons	9410..9466, 9964..10132, 10329..10603, 10714..10776, 11109..11219		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26418	Strand	+
Start	9410	End	11219
Name	OJ990810_10.9C23.C11.o5.gp	Method	AAT/GAP
Start	10350	End	11167
GI	none	Score	693
Exons	10350..10603, 10714..10776, 11109..11167		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26419	Strand	+
Start	11239	End	11354
Name	OJ990810_10.9C23.C11.o6.gp	Method	AAT/GAP
Start	11239	End	11354
GI	3766824	Score	131
Exons	11239..11354		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o2.gs	Method	GENSCAN
Start	3504	End	7329
GI	none	Score	.82
Exons	3504..4004, 4089..4432, 4523..4640, 4779..4968, 5093..5227, 5349..5446, 5846..6018, 6111..6584, 6919..7038, 7275..7329		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o1.tc	Method	TBLASTX:Cress
Start	3507	End	4298
GI	none	Score	178
Exons	3507..3818, 3514..3819, 3811..4053, 3813..4052, 4137..4298, 4162..4257		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o1.np	Method	AAT/NAP
Start	3510	End	7350
GI	2262105	Score	1939
Exons	3510..4394, 4494..4636, 4775..4950, 5093..5227, 5349..5446, 5846..6018, 6111..6422, 7275..7350		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana]		
Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-

Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	3513	End	4982
GI	none	Score	351
Exons	3513..4052, 3514..4053, 4137..4427, 4159..4407, 4764..4982		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o1.ts	Method	TBLASTX:Soybean
Start	3516	End	4415
GI	none	Score	200
Exons	3516..3758, 3520..3765, 3762..3914, 3772..3909, 3919..4053, 3939..4052, 4134..4415, 4162..4407		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	3516	End	3897
GI	none	Score	267
Exons	3516..3893, 3520..3897		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o2.gp	Method	AAT/GAP
Start	3665	End	4185
GI	LIB3434-024-P1-K1-A11	Score	892
Exons	3665..4185		
GI Descrip.	'2262105/gb|AAB63613.1| 6.0e-58 (AC002343) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o3.gp	Method	AAT/GAP
Start	4084	End	4642
GI	11117_1.R1084	Score	826
Exons	4084..4432, 4523..4642		
GI Descrip.	'2262105/gb|AAB63613.1| 1.0e-34 (AC002343) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o4.gp	Method	AAT/GAP
Start	4124	End	4838
GI	11117_1.R1084	Score	870
Exons	4124..4432, 4523..4640, 4779..4838		
GI Descrip.	'2262105/gb|AAB63613.1| 1.0e-34 (AC002343) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o3.tc	Method	TBLASTX:Cress

Start	4338	End	4964
GI	none	Score	63
Exons	4338..4397, 4339..4392, 4572..4637, 4758..4961, 4774..4962, 4776..4964		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o2.tm	Method	TBLASTX:Maize
Start	4572	End	5449
GI	none	Score	82
Exons	4572..4643, 5068..5226, 5083..5232, 5093..5236, 5348..5449, 5349..5438		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o2.ts	Method	TBLASTX:Soybean
Start	4572	End	5438
GI	none	Score	75
Exons	4572..4643, 4758..4967, 4779..4967, 4780..4968, 5083..5232, 5095..5232, 5099..5236, 5346..5438, 5348..5437		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o3.tm	Method	TBLASTX:Maize
Start	5843	End	6364
GI	none	Score	76
Exons	5843..5974, 5847..5957, 6109..6363, 6122..6364		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o3.ts	Method	TBLASTX:Soybean
Start	5843	End	6364
GI	none	Score	121
Exons	5843..5989, 5844..6023, 6109..6363, 6128..6364		

Seq. No.	12472	Seq. ID	OJ990810_10.9C23.C11
Gene No.	26420	Strand	-
Start	3504	End	7350
Name	OJ990810_10.9C23.C11.o2.tc	Method	TBLASTX:Cress
Start	6128	End	6364
GI	none	Score	115
Exons	6128..6364, 6130..6363		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26421	Strand	+
Start	262	End	2349
Name	OJ990810_10.9C23.C12.o1.gp	Method	AAT/GAP
Start	262	End	1157
GI	3766824	Score	387
Exons	262..336, 1011..1157		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26421	Strand	+

Start	262	End	2349
Name	OJ990810_10.9C23.C12.o1.gs	Method	GENSCAN
Start	266	End	2107
GI	none	Score	.82
Exons	266..304, 1011..1604, 1657..1785, 1871..2107		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26421	Strand	+
Start	262	End	2349
Name	OJ990810_10.9C23.C12.o1.np	Method	AAT/NAP
Start	1011	End	2172
GI	5302811	Score	777
Exons	1011..1263, 1302..1661, 1862..2172		
GI Descrip.	(Z97342) putative serine protease-like protein [Arabidopsis thaliana]		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26421	Strand	+
Start	262	End	2349
Name	OJ990810_10.9C23.C12.o2.gp	Method	AAT/GAP
Start	1361	End	2349
GI	33499_1.R1084	Score	1533
Exons	1361..1631, 1714..1785, 1871..2349		
GI Descrip.	'5302811/emb|CAB46052.1| 4.0e-48 (Z97342) putative serine protease-like protein [Arabidopsis thaliana]'		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26422	Strand	+
Start	3963	End	8867
Name	OJ990810_10.9C23.C12.o3.np	Method	AAT/NAP
Start	3963	End	8867
GI	3063699	Score	34
Exons	3963..4097, 4713..4760, 5863..6038, 7162..7326, 8843..8867		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26422	Strand	+
Start	3963	End	8867
Name	OJ990810_10.9C23.C12.o3.gp	Method	AAT/GAP
Start	7842	End	8189
GI	427863	Score	442
Exons	7842..7917, 8012..8189		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26423	Strand	-
Start	1592	End	5964
Name	OJ990810_10.9C23.C12.o2.np	Method	AAT/NAP
Start	1592	End	5047
GI	6681335	Score	781
Exons	1592..1623, 2547..2984, 3087..3209, 3290..3555, 3642..3877, 4938..5047		
GI Descrip.	(AC015985) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26423	Strand	-
Start	1592	End	5964
Name	OJ990810_10.9C23.C12.o2.gs	Method	GENSCAN

Start	2415	End	5964
GI	none	Score	.56
Exons	2415..3209, 3290..3550, 3568..3786, 3833..4035, 5640..5964		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o3.tm	Method	TBLASTX:Maize
Start	234	End	1158
GI	none	Score	69
Exons	234..335, 248..373, 280..348, 1007..1156, 1008..1157, 1009..1158, 1009..1158		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	999	End	2116
GI	none	Score	67
Exons	999..1067, 1062..1577, 1085..1510, 1544..1576, 1602..1631, 1696..1785, 1707..1781, 1870..2064, 1871..2068, 1871..2071, 2072..2116		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o1.tc	Method	TBLASTX:Cress
Start	1097	End	1631
GI	none	Score	606
Exons	1097..1576, 1101..1592, 1592..1624, 1593..1631		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	1161	End	2228
GI	none	Score	505
Exons	1161..1583, 1176..1328, 1178..1582, 1240..1593, 1583..1630, 1584..1631, 1696..1785, 1711..1785, 1869..2105, 1870..1983, 1870..2106, 1871..2110, 2186..2227, 2187..2228		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o3.tc	Method	TBLASTX:Cress
Start	1696	End	2115
GI	none	Score	125
Exons	1696..1782, 1713..1781, 1824..2015, 1870..1950, 1870..2115, 1871..2107		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o2.tm	Method	TBLASTX:Maize
Start	2646	End	3807
GI	none	Score	108
Exons	2646..2987, 2752..2985, 3084..3212, 3085..3207, 3090..3212,		

3305..3451, 3306..3452, 3467..3553, 3712..3807

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o2.tc	Method	TBLASTX:Cress
Start	2652	End	3807
GI	none	Score	110
Exons	2652..2987, 2824..2985, 3084..3212, 3085..3207, 3308..3370, 3383..3442, 3452..3553, 3637..3699, 3712..3807		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o2.ts	Method	TBLASTX:Soybean
Start	2652	End	3553
GI	none	Score	170
Exons	2652..2987, 2821..2985, 3084..3209, 3085..3198, 3305..3442, 3306..3446, 3452..3553		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	2748	End	3161
GI	none	Score	180
Exons	2748..2987, 2752..2985, 3084..3161, 3085..3141		

Seq. No.	12473	Seq. ID	OJ990810_10.9C23.C12
Gene No.	26424	Strand	-
Start	6955	End	8070
Name	OJ990810_10.9C23.C12.o3.gs	Method	GENSCAN
Start	6955	End	8070
GI	none	Score	.62
Exons	6955..7095, 7843..8070		

Seq. No.	12474	Seq. ID	OJ990810_13.9C23.C1
Gene No.	26425	Strand	+
Start	1	End	417
Name	OJ990810_13.9C23.C1.o1.np	Method	AAT/NAP
Start	1	End	417
GI	3450883	Score	127
Exons	1..417		
GI Descrip.	(AF083334) fibroin [Antheraea pernyi]		

Seq. No.	12475	Seq. ID	OJ990810_13.9C23.C2
Gene No.	26426	Strand	+
Start	1280	End	3151
Name	OJ990810_13.9C23.C2.o1.gp	Method	AAT/GAP
Start	1280	End	2153
GI	3820_1.R1084	Score	686
Exons	1280..1454, 1834..1940, 2021..2153		
GI Descrip.	'729535/sp|P41347|FTRC_MAIZE 7.0e-56 FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)'		

Seq. No.	12475	Seq. ID	OJ990810_13.9C23.C2

Gene No.	26426	Strand	+
Start	1280	End	3151
Name	OJ990810_13.9C23.C2.o1.np	Method	AAT/NAP
Start	1835	End	3151
GI	729535	Score	131
Exons	1835..1940, 2027..2149, 3121..3151		
GI Descrip.	FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)		

Seq. No.	12476	Seq. ID	OJ990810_13.9C23.C3
Gene No.	26427	Strand	+
Start	1	End	495
Name	OJ990810_13.9C23.C3.o1.gp	Method	AAT/GAP
Start	1	End	495
GI	3820_1.R1084	Score	548
Exons	1..121, 254..495		
GI Descrip.	'729535/sp|P41347|FTRC_MAIZE 7.0e-56 FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)'		

Seq. No.	12476	Seq. ID	OJ990810_13.9C23.C3
Gene No.	26427	Strand	+
Start	1	End	495
Name	OJ990810_13.9C23.C3.o1.np	Method	AAT/NAP
Start	1	End	295
GI	1076805	Score	96
Exons	1..121, 254..295		
GI Descrip.	ferredoxin--thioredoxin reductase (EC 1.18.-.-) catalytic chain - maize		

Seq. No.	12477	Seq. ID	OJ990810_13.9C23.C4
Gene No.	26428	Strand	-
Start	1	End	399
Name	OJ990810_13.9C23.C4.o1.np	Method	AAT/NAP
Start	1	End	399
GI	5803259	Score	346
Exons	1..126, 214..399		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	12478	Seq. ID	OJ990810_13.9C23.C7
Gene No.	26429	Strand	+
Start	1	End	560
Name	OJ990810_13.9C23.C7.o1.np	Method	AAT/NAP
Start	1	End	560
GI	6498441	Score	425
Exons	1..156, 350..560		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12478	Seq. ID	OJ990810_13.9C23.C7
Gene No.	26429	Strand	+
Start	1	End	560
Name	OJ990810_13.9C23.C7.o1.gs	Method	GENSCAN
Start	73	End	453
GI	none	Score	.52
Exons	73..453		

Seq. No.	12479	Seq. ID	OJ990810_13.9C23.C8
Gene No.	26430	Strand	+
Start	127	End	266
Name	OJ990810_13.9C23.C8.o1.gs	Method	GENSCAN
Start	127	End	266
GI	none	Score	.88
Exons	127..266		

Seq. No.	12480	Seq. ID	OJ990810_13.9C23.C9
Gene No.	26431	Strand	-
Start	191	End	4016
Name	OJ990810_13.9C23.C9.o1.np	Method	AAT/NAP
Start	191	End	4016
GI	6630685	Score	101
Exons	191..348, 3993..4016		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	12480	Seq. ID	OJ990810_13.9C23.C9
Gene No.	26431	Strand	-
Start	191	End	4016
Name	OJ990810_13.9C23.C9.o1.gp	Method	AAT/GAP
Start	685	End	918
GI	2311800	Score	305
Exons	685..918		

Seq. No.	12480	Seq. ID	OJ990810_13.9C23.C9
Gene No.	26431	Strand	-
Start	191	End	4016
Name	OJ990810_13.9C23.C9.o2.gs	Method	GENSCAN
Start	3050	End	3937
GI	none	Score	.66
Exons	3050..3222, 3303..3347, 3757..3937		

Seq. No.	12480	Seq. ID	OJ990810_13.9C23.C9
Gene No.	26431	Strand	-
Start	191	End	4016
Name	OJ990810_13.9C23.C9.o2.np	Method	AAT/NAP
Start	3226	End	3947
GI	6815052	Score	427
Exons	3226..3347, 3628..3703, 3785..3947		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	12481	Seq. ID	OJ990810_13.9C23.C10
Gene No.	26432	Strand	+
Start	1	End	1888
Name	OJ990810_13.9C23.C10.o2.np	Method	AAT/NAP
Start	1	End	1888
GI	5042463	Score	162
Exons	1..41, 942..1148, 1623..1754, 1805..1888		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	12481	Seq. ID	OJ990810_13.9C23.C10
Gene No.	26432	Strand	+
Start	1	End	1888
Name	OJ990810_13.9C23.C10.o1.gs	Method	GENSCAN

Start	714	End	878
GI	none	Score	.68
Exons	714..878		

Seq. No.	12481	Seq. ID	OJ990810_13.9C23.C10
Gene No.	26433	Strand	-
Start	1	End	2305
Name	OJ990810_13.9C23.C10.o1.np	Method	AAT/NAP
Start	1	End	2305
GI	6498436	Score	186
Exons	1..23, 288..601, 2266..2305		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	12482	Seq. ID	OJ990810_13.9C23.C11
Gene No.	26434	Strand	+
Start	1	End	718
Name	OJ990810_13.9C23.C11.o1.np	Method	AAT/NAP
Start	1	End	718
GI	5852181	Score	106
Exons	1..117, 690..718		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	12482	Seq. ID	OJ990810_13.9C23.C11
Gene No.	26434	Strand	+
Start	1	End	718
Name	OJ990810_13.9C23.C11.o1.gs	Method	GENSCAN
Start	243	End	446
GI	none	Score	.5
Exons	243..446		

Seq. No.	12483	Seq. ID	OJ990810_13.9C23.C12
Gene No.	26435	Strand	+
Start	1	End	658
Name	OJ990810_13.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	658
GI	2462134	Score	235
Exons	1..658		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	12483	Seq. ID	OJ990810_13.9C23.C12
Gene No.	26435	Strand	+
Start	1	End	658
Name	OJ990810_13.9C23.C12.o1.gs	Method	GENSCAN
Start	354	End	621
GI	none	Score	.49
Exons	354..621		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26436	Strand	+
Start	4388	End	4459
Name	OJ990810_13.9C23.C14.o2.gp	Method	AAT/GAP
Start	4388	End	4459
GI	uC-osflM202097d10b1	Score	83
Exons	4388..4459		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26437	Strand	+
Start	8588	End	9959
Name	OJ990810_13.9C23.C14.o2.gs	Method	GENSCAN
Start	8588	End	9959
GI	none	Score	.47
Exons	8588..8733, 9567..9574, 9627..9742, 9837..9959		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26438	Strand	-
Start	1	End	7640
Name	OJ990810_13.9C23.C14.o1.np	Method	AAT/NAP
Start	1	End	2948
GI	5679684	Score	1748
Exons	1..22, 382..491, 634..714, 802..943, 1104..1183, 1353..1465, 1948..2194, 2556..2948		
GI Descrip.	(AJ243828) phosphatase 2A regulatory A subunit [Oryza sativa] gi|5679686|emb|CAB51804.1| (AJ243829) protein phosphatase 2A A subunit [Oryza sativa]		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26438	Strand	-
Start	1	End	7640
Name	OJ990810_13.9C23.C14.o2.np	Method	AAT/NAP
Start	1	End	7640
GI	1109849	Score	97
Exons	1..22, 3933..4308, 7610..7640		
GI Descrip.	(U41538) proline rich [Caenorhabditis elegans]		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26438	Strand	-
Start	1	End	7640
Name	OJ990810_13.9C23.C14.o1.gp	Method	AAT/GAP
Start	387	End	4177
GI	966_1.R1084	Score	2478
Exons	387..491, 634..714, 802..943, 1104..1183, 1353..1465, 1948..2194, 2556..2972, 4025..4177		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26438	Strand	-
Start	1	End	7640
Name	OJ990810_13.9C23.C14.o1.gs	Method	GENSCAN
Start	387	End	5257
GI	none	Score	.8
Exons	387..491, 634..714, 802..943, 1104..1183, 1353..1465, 1948..2194, 2556..2966, 3757..3803, 3871..3975, 4025..4128, 4894..4962, 5190..5257		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26439	Strand	-
Start	10031	End	10237
Name	OJ990810_13.9C23.C14.o1.tm	Method	TBLASTX:Maize
Start	375	End	3003
GI	none	Score	123
Exons	375..509, 381..491, 385..492, 623..715, 634..717, 634..720,		

801..935, 802..939, 802..945, 1103..1183, 1108..1185, 1113..1187, 1351..1467, 1351..1464, 1353..1466, 1945..2196, 1949..2197, 1949..2197, 2556..2969, 2556..2966, 2557..3003, 2557..2994

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26439	Strand	-
Start	10031	End	10237
Name	OJ990810_13.9C23.C14.o1.tw	Method	TBLASTX:Wheat
Start	375	End	2918
GI	none	Score	145
Exons	375..506, 381..491, 623..715, 632..715, 633..722, 634..717, 800..934, 802..939, 802..945, 805..912, 1103..1165, 1114..1164, 1115..1165, 2772..2918		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26439	Strand	-
Start	10031	End	10237
Name	OJ990810_13.9C23.C14.o1.tc	Method	TBLASTX:Cress
Start	381	End	3075
GI	none	Score	81
Exons	381..491, 433..492, 623..715, 632..715, 634..720, 800..934, 802..945, 802..945, 805..915, 867..950, 1103..1183, 1113..1184, 1351..1464, 1352..1465, 1352..1465, 1353..1466, 1357..1467, 1945..2184, 1949..2185, 1949..2197, 1956..2192, 2556..2948, 2559..2777, 2568..2948, 2578..2952, 3028..3075		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26439	Strand	-
Start	10031	End	10237
Name	OJ990810_13.9C23.C14.o1.ts	Method	TBLASTX:Soybean
Start	381	End	2948
GI	none	Score	105
Exons	381..494, 381..491, 433..495, 623..715, 628..717, 632..715, 634..720, 800..937, 801..935, 802..936, 802..945, 1103..1183, 1113..1187, 1347..1466, 1351..1467, 1351..1464, 1353..1466, 1933..2187, 1949..2188, 1949..2197, 1956..2195, 2556..2948, 2557..2937, 2841..2948		

Seq. No.	12484	Seq. ID	OJ990810_13.9C23.C14
Gene No.	26439	Strand	-
Start	10031	End	10237
Name	OJ990810_13.9C23.C14.o3.gs	Method	GENSCAN
Start	10031	End	10237
GI	none	Score	.91
Exons	10031..10080, 10138..10237		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26440	Strand	+
Start	3551	End	4475
Name	OJ990810_13.9C23.C15.o2.gs	Method	GENSCAN
Start	3551	End	4475
GI	none	Score	.79
Exons	3551..3637, 3794..3907, 4000..4091, 4136..4475		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-

Start	20	End	8801
Name	OJ990810_13.9C23.C15.o1.gs	Method	GENSCAN
Start	20	End	2950
GI	none	Score	.56
Exons	20..255, 1741..2950		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o5.ts	Method	TBLASTX:Soybean
Start	1603	End	1843
GI	none	Score	48
Exons	1603..1641, 1607..1648, 1710..1799, 1712..1843		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o1.np	Method	AAT/NAP
Start	1609	End	8801
GI	4206306	Score	1368
Exons	1609..2844, 6191..8206, 8397..8801		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o3.ts	Method	TBLASTX:Soybean
Start	2186	End	2581
GI	none	Score	77
Exons	2186..2581, 2286..2480, 2366..2506		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o3.tm	Method	TBLASTX:Maize
Start	2435	End	2788
GI	none	Score	214
Exons	2435..2788		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o3.gs	Method	GENSCAN
Start	4626	End	8730
GI	none	Score	.51
Exons	4626..4726, 6012..6251, 7485..7757, 8162..8296, 8616..8730		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o3.tw	Method	TBLASTX:Wheat
Start	6373	End	6807
GI	none	Score	36
Exons	6373..6663, 6458..6559, 6590..6664, 6718..6807		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-

Start	20	End	8801
Name	OJ990810_13.9C23.C15.o1.ts	Method	TBLASTX:Soybean
Start	6436	End	6853
GI	none	Score	79
Exons	6436..6678, 6440..6553, 6593..6667, 6715..6852, 6715..6852, 6737..6853		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o1.gp	Method	AAT/GAP
Start	6716	End	7431
GI	5455576	Score	1150
Exons	6716..7431		
GI Descrip.	4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o2.ts	Method	TBLASTX:Soybean
Start	7004	End	7469
GI	none	Score	65
Exons	7004..7153, 7006..7188, 7183..7437, 7191..7469		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o2.tw	Method	TBLASTX:Wheat
Start	7090	End	7469
GI	none	Score	185
Exons	7090..7188, 7185..7469		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o1.tm	Method	TBLASTX:Maize
Start	7159	End	7620
GI	none	Score	39
Exons	7159..7182, 7160..7189, 7183..7470, 7188..7481, 7485..7589, 7503..7619, 7531..7620, 7543..7620		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o1.tw	Method	TBLASTX:Wheat
Start	7491	End	7895
GI	none	Score	173
Exons	7491..7778, 7540..7857, 7543..7863, 7562..7867, 7866..7895		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o2.tm	Method	TBLASTX:Maize
Start	7621	End	7836
GI	none	Score	212
Exons	7621..7836, 7622..7834		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o4.ts	Method	TBLASTX:Soybean
Start	7690	End	8057
GI	none	Score	126
Exons	7690..7824, 7866..8057		

Seq. No.	12485	Seq. ID	OJ990810_13.9C23.C15
Gene No.	26441	Strand	-
Start	20	End	8801
Name	OJ990810_13.9C23.C15.o2.np	Method	AAT/NAP
Start	8442	End	8801
GI	3377834	Score	128
Exons	8442..8801		
GI Descrip.	(AF075598) No definition line found [Arabidopsis thaliana]		

Seq. No.	12486	Seq. ID	OJ990810_13.9C23.C16
Gene No.	26442	Strand	+
Start	1	End	9317
Name	OJ990810_13.9C23.C16.o1.np	Method	AAT/NAP
Start	1	End	6011
GI	6063554	Score	213
Exons	1..179, 2880..3085, 3519..3706, 5181..5210, 5838..6011		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12486	Seq. ID	OJ990810_13.9C23.C16
Gene No.	26442	Strand	+
Start	1	End	9317
Name	OJ990810_13.9C23.C16.o3.np	Method	AAT/NAP
Start	5267	End	9317
GI	4680183	Score	121
Exons	5267..5301, 9222..9317		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12486	Seq. ID	OJ990810_13.9C23.C16
Gene No.	26442	Strand	+
Start	1	End	9317
Name	OJ990810_13.9C23.C16.o1.gp	Method	AAT/GAP
Start	5395	End	5770
GI	2427387	Score	623
Exons	5395..5770		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	12486	Seq. ID	OJ990810_13.9C23.C16
Gene No.	26443	Strand	-
Start	6363	End	6663
Name	OJ990810_13.9C23.C16.o2.gp	Method	AAT/GAP
Start	6363	End	6663
GI	61605_3.R1084	Score	402
Exons	6363..6663		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12486	Seq. ID	OJ990810_13.9C23.C16
Gene No.	26444	Strand	-
Start	7133	End	9195
Name	OJ990810_13.9C23.C16.o1.tm	Method	TBLASTX:Maize
Start	1161	End	1529
GI	none	Score	51
Exons	1161..1379, 1263..1379, 1404..1529, 1405..1512		

Seq. No.	12486	Seq. ID	OJ990810_13.9C23.C16
Gene No.	26444	Strand	-
Start	7133	End	9195
Name	OJ990810_13.9C23.C16.o2.np	Method	AAT/NAP
Start	7133	End	9195
GI	6721561	Score	79
Exons	7133..7303, 9104..9195		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12487	Seq. ID	OJ990810_13.9C23.C17
Gene No.	26445	Strand	-
Start	427	End	664
Name	OJ990810_13.9C23.C17.o1.gs	Method	GENSCAN
Start	427	End	664
GI	none	Score	.68
Exons	427..664		

Seq. No.	12488	Seq. ID	OJ990810_13.9C23.C19
Gene No.	26446	Strand	-
Start	53	End	767
Name	OJ990810_13.9C23.C19.o1.gs	Method	GENSCAN
Start	53	End	767
GI	none	Score	.43
Exons	53..569, 612..767		

Seq. No.	12489	Seq. ID	OJ990810_13.9C23.C21
Gene No.	26447	Strand	+
Start	6	End	404
Name	OJ990810_13.9C23.C21.o1.gs	Method	GENSCAN
Start	6	End	404
GI	none	Score	.8
Exons	6..137, 375..404		

Seq. No.	12490	Seq. ID	OJ990810_13.9C23.C22
Gene No.	26448	Strand	+
Start	1	End	899
Name	OJ990810_13.9C23.C22.o1.np	Method	AAT/NAP
Start	1	End	899
GI	4680204	Score	370
Exons	1..559, 602..715, 805..899		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	12490	Seq. ID	OJ990810_13.9C23.C22
Gene No.	26448	Strand	+

Start	1	End	899
Name	OJ990810_13.9C23.C22.o1.tw	Method	TBLASTX:Wheat
Start	1	End	337
GI	none	Score	146
Exons	1..147, 2..160, 164..301, 220..300, 305..337, 311..331		

Seq. No.	12491	Seq. ID	OJ990810_13.9C23.C23
Gene No.	26449	Strand	-
Start	1	End	1184
Name	OJ990810_13.9C23.C23.o1.gp	Method	AAT/GAP
Start	1	End	931
GI	23998_1.R1084	Score	991
Exons	1..325, 742..931		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	12491	Seq. ID	OJ990810_13.9C23.C23
Gene No.	26449	Strand	-
Start	1	End	1184
Name	OJ990810_13.9C23.C23.o1.tm	Method	TBLASTX:Maize
Start	1	End	335
GI	none	Score	131
Exons	1..216, 3..335, 5..325		

Seq. No.	12491	Seq. ID	OJ990810_13.9C23.C23
Gene No.	26449	Strand	-
Start	1	End	1184
Name	OJ990810_13.9C23.C23.o1.tc	Method	TBLASTX:Cress
Start	3	End	191
GI	none	Score	70
Exons	3..191, 113..190		

Seq. No.	12491	Seq. ID	OJ990810_13.9C23.C23
Gene No.	26449	Strand	-
Start	1	End	1184
Name	OJ990810_13.9C23.C23.o1.ts	Method	TBLASTX:Soybean
Start	3	End	332
GI	none	Score	65
Exons	3..317, 166..216, 171..332		

Seq. No.	12491	Seq. ID	OJ990810_13.9C23.C23
Gene No.	26449	Strand	-
Start	1	End	1184
Name	OJ990810_13.9C23.C23.o1.gs	Method	GENSCAN
Start	57	End	1184
GI	none	Score	.77
Exons	57..325, 742..865, 1128..1184		

Seq. No.	12492	Seq. ID	OJ990810_13.9C23.C24
Gene No.	26450	Strand	+
Start	88	End	501
Name	OJ990810_13.9C23.C24.o1.gs	Method	GENSCAN
Start	88	End	501
GI	none	Score	.68
Exons	88..501		

Seq. No.	12492	Seq. ID	OJ990810_13.9C23.C24

Gene No.	26451	Strand	-
Start	2859	End	2957
Name	OJ990810_13.9C23.C24.o1.np	Method	AAT/NAP
Start	2859	End	2957
GI	5777617	Score	78
Exons	2859..2957		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	12493	Seq. ID	OJ990810_13.9C23.C25
Gene No.	26452	Strand	+
Start	45	End	2045
Name	OJ990810_13.9C23.C25.o1.gs	Method	GENSCAN
Start	45	End	2045
GI	none	Score	.56
Exons	45..60, 725..952, 1046..1310, 1660..2045		

Seq. No.	12494	Seq. ID	OJ990810_13.9C23.C26
Gene No.	26453	Strand	+
Start	613	End	710
Name	OJ990810_13.9C23.C26.o1.gp	Method	AAT/GAP
Start	613	End	710
GI	966_1.R1084	Score	162
Exons	613..710		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	12494	Seq. ID	OJ990810_13.9C23.C26
Gene No.	26454	Strand	+
Start	619	End	710
Name	OJ990810_13.9C23.C26.o1.np	Method	AAT/NAP
Start	619	End	710
GI	5679684	Score	111
Exons	619..710		
GI Descrip.	(AJ243828) phosphatase 2A regulatory A subunit [Oryza sativa] gi|5679686|emb|CAB51804.1| (AJ243829) protein phosphatase 2A A subunit [Oryza sativa]		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26455	Strand	+
Start	1	End	62
Name	OJ990810_13.9C23.C27.o1.np	Method	AAT/NAP
Start	1	End	62
GI	5679684	Score	86
Exons	1..62		
GI Descrip.	(AJ243828) phosphatase 2A regulatory A subunit [Oryza sativa] gi|5679686|emb|CAB51804.1| (AJ243829) protein phosphatase 2A A subunit [Oryza sativa]		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26456	Strand	+
Start	1	End	448
Name	OJ990810_13.9C23.C27.o1.gp	Method	AAT/GAP
Start	1	End	307
GI	966_1.R1084	Score	583
Exons	1..307		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26456	Strand	+
Start	1	End	448
Name	OJ990810_13.9C23.C27.o1.gs	Method	GENSCAN
Start	189	End	448
GI	none	Score	.81
Exons	189..285, 354..448		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26457	Strand	+
Start	3507	End	6949
Name	OJ990810_13.9C23.C27.o2.np	Method	AAT/NAP
Start	3473	End	4079
GI	3885340	Score	63
Exons	3473..3790, 3947..4079		
GI Descrip.	(AC005623) unknown protein [Arabidopsis thaliana]		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26457	Strand	+
Start	3507	End	6949
Name	OJ990810_13.9C23.C27.o2.gs	Method	GENSCAN
Start	3507	End	6946
GI	none	Score	1
Exons	3507..4100, 4725..4994, 5076..5474, 5566..5760, 5851..6011, 6085..6946		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26457	Strand	+
Start	3507	End	6949
Name	OJ990810_13.9C23.C27.o3.np	Method	AAT/NAP
Start	3769	End	6949
GI	4758556	Score	572
Exons	3769..3869, 5136..5474, 5566..5764, 5879..6011, 6085..6949		
GI Descrip.	U4/U6-associated RNA splicing factor gi|2708307 (AF016370) U4/U6 small nuclear ribonucleoprotein hPrp3 [Homo sapiens]		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26458	Strand	+
Start	15752	End	16349
Name	OJ990810_13.9C23.C27.o4.gs	Method	GENSCAN
Start	15752	End	16349
GI	none	Score	.95
Exons	15752..16124, 16180..16349		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533
Name	OJ990810_13.9C23.C27.o4.tm	Method	TBLASTX:Maize
Start	4727	End	5135
GI	none	Score	40
Exons	4727..4750, 4766..4990, 4786..4989, 4810..5013, 5046..5135, 5076..5132		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533

Name	OJ990810_13.9C23.C27.o1.tm	Method	TBLASTX:Maize
Start	5232	End	5760
GI	none	Score	368
Exons	5232..5483, 5235..5468, 5246..5476, 5556..5759, 5556..5759, 5557..5760, 5560..5760		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533
Name	OJ990810_13.9C23.C27.o1.ts	Method	TBLASTX:Soybean
Start	5261	End	6514
GI	none	Score	124
Exons	5261..5338, 5262..5378, 5346..5528, 5348..5476, 5364..5516, 5556..5744, 5557..5760, 6131..6172, 6265..6402, 6275..6481, 6281..6514		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533
Name	OJ990810_13.9C23.C27.o2.tm	Method	TBLASTX:Maize
Start	6523	End	6969
GI	none	Score	293
Exons	6523..6720, 6524..6721, 6524..6739, 6764..6967, 6772..6969, 6772..6966		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533
Name	OJ990810_13.9C23.C27.o3.tm	Method	TBLASTX:Maize
Start	9500	End	10582
GI	none	Score	229
Exons	9500..9700, 9500..9637, 9517..9699, 10469..10582, 10474..10578		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533
Name	OJ990810_13.9C23.C27.o4.np	Method	AAT/NAP
Start	9502	End	12340
GI	4432840	Score	197
Exons	9502..9699, 10475..10624, 12319..12340		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533
Name	OJ990810_13.9C23.C27.o1.tc	Method	TBLASTX:Cress
Start	9517	End	12503
GI	none	Score	111
Exons	9517..9699, 10469..10612, 12369..12503		

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533
Name	OJ990810_13.9C23.C27.o2.ts	Method	TBLASTX:Soybean
Start	9517	End	12533
GI	none	Score	75
Exons	9517..9699, 10467..10613, 10469..10612, 10471..10614,		

10472..10615, 10473..10613, 12369..12533

Seq. No.	12495	Seq. ID	OJ990810_13.9C23.C27
Gene No.	26459	Strand	-
Start	9502	End	12533
Name	OJ990810_13.9C23.C27.o5.tm	Method	TBLASTX:Maize
Start	12369	End	12507
GI	none	Score	110
Exons	12369..12506, 12373..12507		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26460	Strand	+
Start	63	End	3968
Name	OJ990810_13.9C23.C29.o1.gs	Method	GENSCAN
Start	63	End	3965
GI	none	Score	.9
Exons	63..190, 1683..1854, 2997..3965		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26460	Strand	+
Start	63	End	3968
Name	OJ990810_13.9C23.C29.o1.gp	Method	AAT/GAP
Start	1782	End	3405
GI	26060_1.R1084	Score	916
Exons	1782..1854, 2997..3405		
GI Descrip.	'2062164 2.0e-36 (AC001645) jasmonate inducible protein isolog [Arabidopsis thaliana]'		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26460	Strand	+
Start	63	End	3968
Name	OJ990810_13.9C23.C29.o1.np	Method	AAT/NAP
Start	2961	End	3968
GI	6466955	Score	1065
Exons	2961..3968		
GI Descrip.	(AC009176) unknown protein [Arabidopsis thaliana] gi|6648184|gb|AAF21182.1|AC013483_6 (AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26460	Strand	+
Start	63	End	3968
Name	OJ990810_13.9C23.C29.o2.gp	Method	AAT/GAP
Start	3539	End	3968
GI	LIB3433-042-P1-K1-G10	Score	815
Exons	3539..3968		
GI Descrip.	'2924784 2.0e-33 (AC002334) similar to jasmonate inducible protein [Arabidopsis thaliana]'		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26461	Strand	-
Start	5097	End	5725
Name	OJ990810_13.9C23.C29.o2.ts	Method	TBLASTX:Soybean
Start	2994	End	3305
GI	none	Score	393
Exons	2994..3305, 2996..3235, 3250..3294		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26461	Strand	-
Start	5097	End	5725
Name	OJ990810_13.9C23.C29.o1.tw	Method	TBLASTX:Wheat
Start	2996	End	3236
GI	none	Score	216
Exons	2996..3145, 2997..3146, 3144..3236		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26461	Strand	-
Start	5097	End	5725
Name	OJ990810_13.9C23.C29.o1.tc	Method	TBLASTX:Cress
Start	3000	End	3947
GI	none	Score	158
Exons	3000..3176, 3008..3175, 3186..3245, 3234..3311, 3326..3367, 3417..3557, 3446..3550, 3564..3626, 3575..3625, 3644..3823, 3648..3821, 3837..3947		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26461	Strand	-
Start	5097	End	5725
Name	OJ990810_13.9C23.C29.o1.tm	Method	TBLASTX:Maize
Start	3114	End	3857
GI	none	Score	72
Exons	3114..3236, 3549..3626, 3554..3625, 3609..3839, 3644..3823, 3666..3824, 3806..3856, 3822..3857		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26461	Strand	-
Start	5097	End	5725
Name	OJ990810_13.9C23.C29.o1.ts	Method	TBLASTX:Soybean
Start	3414	End	3944
GI	none	Score	283
Exons	3414..3626, 3422..3625, 3648..3815, 3650..3823, 3827..3853, 3828..3944		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26461	Strand	-
Start	5097	End	5725
Name	OJ990810_13.9C23.C29.o2.tw	Method	TBLASTX:Wheat
Start	3461	End	3838
GI	none	Score	140
Exons	3461..3544, 3462..3563, 3513..3554, 3552..3626, 3575..3625, 3686..3751, 3815..3838		

Seq. No.	12496	Seq. ID	OJ990810_13.9C23.C29
Gene No.	26461	Strand	-
Start	5097	End	5725
Name	OJ990810_13.9C23.C29.o2.gs	Method	GENSCAN
Start	5097	End	5725
GI	none	Score	.99
Exons	5097..5204, 5723..5725		

Seq. No.	12497	Seq. ID	OJ990810_13.9C23.C30
Gene No.	26462	Strand	+
Start	1	End	2047
Name	OJ990810_13.9C23.C30.o1.gp	Method	AAT/GAP